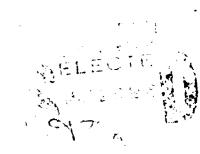


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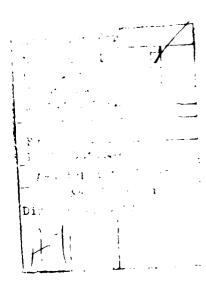
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kej E. Weston, Inc.	(If applicable)	USAF Occupational and Environmental Health Laboratory			
ALGRESS (City State and 71P Code)		76 ADDRESS (City	State and ZIP Code	,	
ne Weston Way		Brooks AFB	, Tx. 78235-	-5501	
West Chester, Pa. 19380		Brooks Arby IX. (O255 5502			
B. NAME OF FUNDING/SPONSOFING ORGANIZATION	Bo OFFICE SYMBOL (If applicable)	9 PROCUREMENT	NSTRUMENT IDE	NTIFICATION P	NUMBER
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TITLE Unclude Security Classification; IRP					
12 PERSONAL AUTHORIS	castate (a s) cas			1771	
Mason L. Dunn, D.L. Jones, K	atherine A. Shee	edy			
Tendurical FROM 84	COVERED	85-06-28	AT (Yr , Mo .	ELEC	FEF
15 SUPPLEMENTARY NOTATION				MAY 2 9	1986
17 COSATI CODES	Continue on reverse if n	rermany and ideal	by block mb	2 71	
FIELD GROUP SUB-GR					
	╛				
19 ABSTRACT (Continue on reverse if necessory a	nd identify by block numb	4 *1			

Discribion confirmation study was performed at Castle AFB and included 21 potential continuant source sites identified in the Phase I Report as requiring field investigation. The contential course sites were grouped into 16 investigation sites including the area of a suppose come of PTD contamination in groundwater. The field investigations, conducted the extense 1984 to April 1985 included installation of 27 new monitor wells and 11 shallow course trys, the first of sediment samples from surface soil, shallow borings, and drainage and order level measurements, and pilot test operations on a Base production well. Analytes the static order compounds, TCC, TCX, oil and grease, as well as phenols, nitrate, the application and herbicides at selected sites. Of the sixteen sites investigated, the second contamined for further groundwater study, either through continued monitoring the applications wells, or through expansion of the monitoring network. The TCD plame in the labeling and recommended for immediate (con't, on back)

DU DETH BUTION AVAILABILITY OF ABSTRACT	21 ABSTRACT SECURITY CLASSIFICATION		
CHYCLASS F FOUNDAMIN TED IN SAME AS ART IN DISCUSERS IN	Unclassified		
TO MARKE OF MESPERS BUT INCOMEDIAL	226 TELEPHONE NUMBER	22. OFFICE SYMP	
To a Samer, Dest., FCAD	(512) 536-2158	TC	

(cr n' f.)

to a contribute study; additional investigation to locate the source of the plume and to be its extent in off-Base areas and in an underlying aquifer have also been seconded.





APPENDIX H

FIELD SAMPLE LOG SHEETS

LOG SHEETS

FIRST ROUND WATER SAMPLING

22 JANUARY - 1 FEBRUARY AND 4 MARCH 1985

W. STEEN

PRODUCTION WELL

site <u>Castle AFB</u>	Samplers MMM. Saulo			
Field # CAFB # GP850196				
Sample I.D. <u>New P.W.</u>	Date <u>3-4-85</u>	Time <u>1430</u>		
STATIC	SAMPLES TAKEN:			
TOTAL WELL DEPTH FT.	EPA 601 EPA 602			
S.W.L FT.	700			
WATER COLUMN FT.	Phenolics			
WATER VOLUME G.				
FLOW RATE G.P.M.				
PUMPING TIME REQUIRED MINS.				
ACTUAL PUMPING TIME MINS.				
OPERATING	23	_ °C (Immediate)		
WATER LEVEL FT.	362	_ Conductivity (umnos)		
PUMPING RATE G.P.M.	725	_ pH		
TOTAL GALLONS PUMPED G.	23	°C (at pH Cond. Readings)		
DUPLICATE TAKEN YES NO I.D. ASSIGNED	SAMPLES TAKEN:			
°C CONDUCTIVITY (umhos)				

Aceses of the control of the control

WELL I.D. PW-1 DATE	N2285 TIME 25930
OPERATING X	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 273 FT.
PUMPING RATE G.P.M.	S.W.L. apper 38 FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 235, 614 FT.
VOA inc. MEK Oil and Grease Toc Tox Phenolics	WATER VOLUME 1,879 G. X3= 5,638 G. FLOW RATE v 500 spm G.P PUMPING TIME REQUIRED 10 MIN ACTUAL PUMPING TIME 20 MIN
	DUPLICATE. LABELED PW-10A

KITT

TAN 85 TIME 0845
11.20/3
PATIC
OTAL WELL DEPTH 320 FT.
.W.L. <u>aymex 38</u> FT.
ATER COLUMN 282 , \$\phi 14" \text{FT.}
ATER VOLUME $\frac{2,25}{6,766}$ G.
LOW RATE ~ \$500 G.P.M
JMPING TIME REQUIRED 131/2 MINS.
CTUAL PUMPING TIME /5 MINS.

KETT

CASTLE AFB	
WELL I.D. PW-3 DATE 27	2 JAUS TIME 0745
OPERATING has been pumping 12 hours	TOTAL WELL DEPTH 290 FT.
PUMPING RATE APPEX 100 G.P.M.	
TOTAL GALLONS PUMPEDG.	WATER COLUMN 252, 65 FT.
ANALITES VOA in MEK Oil and Greene Tox Phenolics	WATER VOLUME 481 G. X3= 4,442 G. FLOW RATE G.P.M PUMPING TIME REQUIRED X MINS.
	ACTUAL PUMPING TIME 12 48 MINS.
oc in the second conductivity (pumbos) in the	

W. STUTIN

well i.d. PW-5	DATE_2	2 JAN 85 TIME 124	5
OPERATING julinu. Tent pressure untrolled		STATIC	
WATER LEVEL	FT.	TOTAL WELL DEPTH 120	_FT.
PUMPING RATE ~ 305pm	G.P.M.	s.w.l. approx 45	_FT.
TOTAL GALLONS PUMPED	G.	water column 75 , \$8"	_FT.
ANALYTES		WATER VOLUME 196 X3= 588	_G. _G.
VOA inc. MEK		FLOW RATE	_G.P.M
Tox Phen: cs		PUMPING TIME REQUIRED	_MINS.
Ni trati Ion		ACTUAL PUMPING TIME 35	_MINS.
/4 2 °C			
CONDUCTIVIT	(eodmu) Y		
NOTES: X = NOT APPLICABLE			
SAMPLER MD DB			

KETTEN

CASTUE AFR	(AST	U=	AFB
------------	---	-----	----	-----

WELL I.D. <u>PW-6</u>	DATE_Z	2 JANS5 TIME 1245	
OPERATING jule m. Heat, pressure controlle	J	${\tt STATIC} \underline{\hspace{1cm} \hspace{1cm} \hspace$	_
WATER LEVEL	FT.	TOTAL WELL DEPTH 120	_FT.
PUMPING RATE 30	G.P.M.	s.w.L. <u>approx 45</u>	_FT.
TOTAL GALLONS PUMPED	G.	water column 75 , \$8"	_FT.
ANALTTES		water volume /96 x3= 588	_G. _G.
VOA inc MEK Oiland Genn		FLOW RATE	_G.P.M.
TOK Phenolics	•	PUMPING TIME REQUIRED	_MINS.
Nitrate Ion		ACTUAL PUMPING TIME 20 m, -	_MINS.
°c			
206 CONDUCTIVIT	Y (µmhos)		
<u>7.54</u> pH			
NOTES: X = NOT APPLICABLE			
SAMPLER ALD / DB			

W. STEN

CASTLE AFB	
WELL I.D. PW-7 DATE 2	ZJAN85 TIME //OU
OPERATING So	STATIC ×
WATER LEVELFT.	TOTAL WELL DEPTH 260 FT.
PUMPING RATE 3,000 _4,500 gph G.P.M.	S.W.L. 4400 FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 230, 64 FT.
VOA INC MEK OD and be use TOC	WATER VOLUME 1839 G. X3= 5,518 G. FLOW RATE G.P.M
Tox Phenolics	PUMPING TIME REQUIREDMINS.
	ACTUAL PUMPING TIMEMINS.
CONDUCTIVITY (µmhos) pH NOTES: X = NOT APPLICABLE	DUPLICATE LABELED PW-10B
A D /TD/2	

KITT

CASTLE NFB	
WELL I.D. PO-8 DATE	7AN 2285 TIME /1/5
OPERATING (mlevnittent press to	STATICX
WATER LEVEL 7 FT.	TOTAL WELL DEPTH 300 FT.
PUMPING RATE 1 G.P.M.	S.W.L. 4771 ST.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 270, 016" FT.
ANALYTUS	WATER VOLUME 2, 102 G. X3= 8,461 G.
VOA inc MEK oil and theur	FLOW RATE my 3,000 4,000 gph G.P.M.
TOL	PUMPING TIME REQUIRED MINS.
Phenolics	ACTUAL PUMPING TIME MINS.
°c	
CONDUCTIVITY (µmhos)	
<u>7. 74</u> pH	
NOTES: X = NOT APPLICABLE	
SAMPLER AD / JOB	

CASTLE AFB

WELL I.D. PW-11 DAT	E 22 TAN85 TIME 1200
OPERATING / 1 a to m Heat - Pressure controlled)	STATIC
WATER LEVEL FT.	TOTAL WELL DEPTH 80 FT.
PUMPING RATE /O G.P.	M. S.W.LFT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 69, 010" FT.
ANALYTES	WATER VOLUME 33. 281.5 G. X3= 845 G.
VOA in MEK OD and neuse	FLOW RATE G.P.M.
TOX	PUMPING TIME REQUIRED MINS.
Phon-1s Nitrate	ACTUAL PUMPING TIMEMINS.
°C	nos)
NOTES: X = NOT APPLICABLE	
SAMPLER AD DB	-

CASTLE AFB	
WELL I.D. TW-12 DATE	1/23/66 TIME 1025
OPERATING	STATIC
WATER LEVEL FT.	TOTAL WELL DEPTH 97 FT.
PUMPING RATE G.P.M.	S.W.L. 31 FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 66 FT.
ANALYTES VOA inc Mck O'D and Guesse Toc Tox Merals (cd, cr, Pb, Hg, Ag) Phenolics	WATER VOLUME 43 G. X3= 129 G. FLOW RATE G.P.M. PUMPING TIME REQUIRED MINS.
N'trate Ion Resticides/Habicides	ACTUAL PUMPING TIME 6 MINS.
°CCONDUCTIVITY (µmhos)pH NOTES: X = NOT APPLICABLE	DUPLICATE LABELED TW-20
SAMPLER ING	WELL WENT DRY AFTER 17 ARBOY 3.15 See

Transport halfunction)

W. STUTI

(ASTLE AFR	
WELL I.D. Tw-13 DATE 7	3 7AN 85 TIME /2 300
OPERATING	STATIC
WATER LEVEL FT.	TOTAL WELL DEPTH 90 FT.
PUMPING RATE G.P.M.	S.W.L. 34 FT.
TOTAL GALLONS PUMPED G.	WATER COLUMN 56 FT.
ANALYTES VOA inc. Mck cil and Greene	WATER VOLUME $\frac{27}{1/6}$ G.
Tac	FLOW RATEG.P.M
Merals (Cd, Cr, Pb, Hg, Ag) Phenolics N. trate Ion	PUMPING TIME REQUIREDMINS.
Peshcids/Herruds	ACTUAL PUMPING TIMEMINS.
20./ °C 573 CONDUCTIVITY (µmhos) 7./ pH NOTES: X = NOT APPLICABLE	
SAMPLER AD/RA	

WELL I.D. TW-14	DATE_2	STAN 95 TIME_S	45
operating		STATIC	
WATER LEVEL	FT.	TOTAL WELL DEPTH 92	FT.
PUMPING RATE	G.P.M.	s.w.L. 35	FT.
TOTAL GALLONS PUMPED	G.	WATER COLUMN	FT.
VOA MC. MEK Oil and Grean Toc Tox Phanolics		WATER VOLUME X3= //2 FLOW RATE PUMPING TIME REQUIRED ACTUAL PUMPING TIME 5	G.P.M MINS.
20, / °C 489 CONDUCTIVIT 7.2 pH NOTES: X = NOT APPLICABLE	(zmhos)		

(ASTLE AFB	
WELL I.D. TW-15 DATE 2	3 JAN 85 TIME 1145
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 82 FT.
PUMPING RATEG.P.M.	S.W.L. 32 FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 50 FT.
ANALYTES VOA inc METE O'P and Grease TOC TOX Merals ((d, Cr, Pb, Hg, As))	WATER VOLUME = 33 G. X3= 75 G. FLOW RATE = 30 Gpm G.P.M
Phonolics Nitrate In Pesnicido/Habrado	PUMPING TIME REQUIRED 3r MINS. ACTUAL PUMPING TIME 4 MINS.

W. STUTT

(ASTLE AFB	
WELL I.D. TW-16 DATE	1/25/65 TIME 07/5
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 102 FT.
PUMPING RATEG.P.M.	s.w.L. <u>38</u> ft.
TOTAL GALLONS PUMPED	WATER COLUMNFT.
VOA inc MEK Off and Grease Toc Tox Phenolics	WATER VOLUME
	ACTUAL PUMPING TIME MINS.
conductivity (µmhos) 7.3 ph NOTES: X = NOT APPLICABLE SAMPLER MAG	Penger Dry 1 min 30555 15560 15

(ASTLE	AFB
_		[-(-

WELL I.D. <u>17</u> DATE	<u>//23/9) </u>	
OPERATING	STATIC	
WATER LEVELFT.	TOTAL WELL DEPTH 100	FT.
PUMPING RATEG.P.M.	s.W.L. 35	_FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 65	_FT.
VOA inc. MELL O'D and Greuse TOC TOX Phenolics	WATER VOLUME 72 X3= /27 FLOW RATE 30 PUMPING TIME REQUIRED 4 +	G.P.M.
Metals (Cd, Cr, Pb, Hz, Ag) Nitrati Ion Restricted/Herbicides	ACTUAL PUMPING TIME 5	
SAMPLER		

W. Such

(ASTLE AFB	
WELL I.D. <u>τω-18</u> DATE	1/23/31 TIME //c
operating X	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 89 FT.
PUMPING RATEG.P.M.	s.w.l. 38 FT.
TOTAL GALLONS PUMPEDG.	water column 5/ ft.
ANALYTES VOA inc MEK Oil and acuse Toc Tox Phenolics	WATER VOLUME 33 G. X3= .00 G. FLOW RATE 3C G.P.M PUMPING TIME REQUIRED 4 MINS.
	ACTUAL PUMPING TIME MINS.

WELL I.D. (W-19)	DATE_3	OTANSS TIME_	1615
OPERATING X		STATIC	
WATER LEVEL	FT.	TOTAL WELL DEPTH 72	FT.
PUMPING RATE	G.P.M.	S.W.L. approx 46	FT.
TOTAL GALLONS PUMPED	G.	water column 32 @8	FT.
VDA inc. MEIC OD and Grease		WATER VOLUME عطر (X3=)	G. G.
Tox		FLOW RATE ~5	G.P.M
Phenolics Nitrate Ion		PUMPING TIME REQUIRED 50	MINS.
		ACTUAL PUMPING TIME	MINS.
		feld)	
NOTES: X = NOT APPLICABLE			
SAMPLER RA/AD			

Will

(ASTLE AFB

WELL I.D. MW 210 DAT	TE /-31-85 TIME 1445
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 92 FT.
PUMPING RATEG.P	.M. S.W.L. 36 FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 56 FT.
ANALYTE VOA inc. HER Odand Greace Toc Tox Phenolics	WATER VOLUME 37 G. X3= 1/0 G. FLOW RATE 3 7 G.P.M PUMPING TIME REQUIRED MINS. ACTUAL PUMPING TIME 35 MINS.
oc 477 conductivity (µm) 7-45 ph NOTES: X = NOT APPLICABLE	7.45
SAMPLER DB+WM	- Duplicate taken, - labeled MW 211

WETT

(ASTLE AFB		
WELL I.D. HW 220 DATE	-us-x5 TIME 1/55	
OPERATING	STATIC	
WATER LEVELFT.	TOTAL WELL DEPTH 91 FT	T.
PUMPING RATEG.P.M.	s.w.L. 34 F	r.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 57 FT	г.
ANALYTES VOA in. HER O'Dand Grean TOC TOX Phenolics	WATER VOLUME 37 G X3= // 2 G FLOW RATE 3.3 G PUMPING TIME REQUIRED // M: ACTUAL PUMPING TIME M:	.P.M. INS.
CONDUCTIVITY (µmhos) 723 pH NOTES: X = NOT APPLICABLE SAMPLER 1111 WM		

KITTI

(ASTLÉ AFB			
WELL I.D. <u>Hw 230</u>	DATE_/	'-31-85' TIME /0,25	
OPERATING		STATIC	-
WATER LEVELF	T.	TOTAL WELL DEPTH 96	FT.
PUMPING RATE 0	G.P.M.	s.w.L. 36	FT.
TOTAL GALLONS PUMPED	3.	WATER COLUMN 60	FT.
ANALYTES		WATER VOLUME 39	G.
VOA inc. MEK		X3= // ら	 G.
OD and Gream		FLOW RATE 3 3/4	G.P.M.
Tox Meralo		PUMPING TIME REQUIRED	_MINS.
Phenolics Nitrate Ion Pestruda/Habande		ACTUAL PUMPING TIME 40	MINS.
	(µmhos)		
NOTES: X = NOT APPLICABLE			
SAMPLER PB+UM	<u>_</u>		

W. STURN

(MSTLÉ AFB	
WELL I.D. MW240 DATE	-31-85 TIME 1215
OPERATING	STATIC
WATER LEVEL FT.	TOTAL WELL DEPTH 97 FT.
PUMPING RATEG.P.M.	S.W.LFT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 67 FT.
ANAUYTES VOA ine MEIL Oil and Geon TOC TOX	WATER VOLUME 44 G. X3= /3/ G. FLOW RATE 3.74 G.P.M
Merals Phonolics Nitrate Jon Pertudos Habicides	PUMPING TIME REQUIRED MINS. ACTUAL PUMPING TIME 45 MINS.

CASTLÉ AFB	
WELL I.D. AU 250 DATE_	1-30-85 TIME 1640
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 95 FT.
PUMPING RATEG.P.M.	S.W.L. 35 FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 60 FT.
ANALYTES VOA in MEK	WATER VOLUME $\frac{39}{1/3}$ G.
od and heere	FLOW RATE G.P.M
Tox Nerals Phenois Nitrat In	PUMPING TIME REQUIRED MINS.
Nitrat Ion Pesticida Habrida	ACTUAL PUMPING TIME 40 MINS.
472 CONDUCTIVITY (µmhos	
7.48 pH	
NOTES: X = NOT APPLICABLE	
SAMPLER DS + win	

SITE COSTLE ATR	SAMPLERS: 1	
WELL I.D. MW260 FIELD: GESS	-3085 TIME 14/5	
OPERATING	STATIC	
WATER LEVELFT.	TOTAL WELL DEPTH 94 FT.	
PUMPING RATE G.P.M.	s.w.l	
TOTAL GALLONS PUMPEDG.	WATER COLUMN 60 FT.	
	WATER VOLUME 39 G. X3= //S G. FLOW RATE G.P.M. PUMPING TIME REQUIRED MINS. ACTUAL PUMPING TIME /// MINS.	
CONDUCTIVITY (µmhos) 7.20 pH SAMPLES TAKEN: LUA IN WEK LESTIC LES 13 X 11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	DUPLICATE TAKEN (YES NO I.D. ASSIGNED 1770261 FIELD #	

CASTLE AFB	
WELL I.D. MW270 DATE	1-30-85 TIME /220
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 97 FT.
PUMPING RATE G.P.M.	S.W.LFT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 57 FT.
HNAUTES UON inc. Mék O'Dand Geore Toc	WATER VOLUME $\frac{37}{1/2}$ G. X3= $\frac{1}{2}$ G. FLOW RATE $\frac{3}{2}$ G.P.M
TOX Merala Pheno IICS	PUMPING TIME REQUIRED MINS.
Nication Perficiellas Herbicidas	ACTUAL PUMPING TIME 40 MINS.
°C	
SAMPLER DB + WM	

CASTLE AFB		<u> </u>
WELL I.D. MW240 DATE_	/-30-85 TIME /C/(2
OPERATING	STATIC	
WATER LEVELFT.	TOTAL WELL DEPTH 9/	FT.
PUMPING RATEG.P.M.	34 S.W.L	FT.
	water column 57	FT.
Avaletor VOA inc. Hek O'S and Greuse TOC TOX Metals Phenolics Withat In Pest coles Helacides	WATER VOLUME 37 X3= //2 FLOW RATE PUMPING TIME REQUIRED ACTUAL PUMPING TIME 40	G.P.MMINS.
14.6 °C 336 CONDUCTIVITY (µmhos ph NOTES: X = NOT APPLICABLE SAMPLER DB + WM		

(ASILE AFB	
WELL I.D. <u>Mu) 290</u> DA'	TE 1- Fib 25 TIME 1000
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 93 FT.
PUMPING RATEG.P	.M. S.W.L. 35 FT.
TOTAL GALLONS PUMPEDG.	water column 48 ft.
Avalytes Vok me. Hek O'D and Gacese Toc Tox	WATER VOLUME 3) G. X3= 94 G. FLOW RATE 3. G.P.M PUMPING TIME REQUIRED 37 MINS.
•c	ACTUAL PUMPING TIME MINS.
CONDUCTIVITY (µm	nhos)
NOTES: X = NOT APPLICABLE	
SAMPLER Joseph 1974	

(ASTLE AFB	
WELL I.D. NO DATE	2 F-4 85 TIME //05
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 93 FT.
PUMPING RATE G.P.M.	S.W.L. 38 FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 55 FT.
NOA inc HER OD and Grame TOC TOX	WATER VOLUME 36 G. X3= 100 G. FLOW RATE 5 G.P.M.
	PUMPING TIME REQUIRED 22 MINS.
	ACTUAL PUMPING TIME 30 MINS.
SAMPLER LA /AD	

CASTLE AFB	
WELL I.D. <u>HW 310</u> DATE /	TER 85 TIME 0925
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 90 FT.
PUMPING RATEG.P.M.	S.W.L. 34 FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 56 FT.
ANALYTES VOA inc. Mek O'D and Grease TOC TOX	WATER VOLUME 37 G. X3= //O G. FLOW RATE 5 G.P.M. PUMPING TIME REQUIRED 22 MINS. ACTUAL PUMPING TIME 24 MINS.
311 $\frac{6.5}{6.5} = \frac{16.5}{6.5} \circ c$ $\frac{411}{6.5} = \frac{413}{6.5} = c$ $\frac{7.6}{6.5} = \frac{7.6}{6.5} = c$	Deplicate taken, labeled MW311

KITTEM

CASTLE AFB		· · · · · · · · · · · · · · · · · · ·		
WELL I.D. Hw 323	DATE_3/	JAN 85	TIME	1445
OPERATING X	-	STATIC		
WATER LEVEL	FT.	TOTAL WELL DEPTH_	82	FT.
PUMPING RATE	G.P.M.	s.w.L. 42		FT.
TOTAL GALLONS PUMPED	_G.	WATER COLUMN	40	FT.
VOA inc. HELL O'D and Cheuse TOX Plendics Nitrati Ion		WATER VOLUME X3= FLOW RATE PUMPING TIME REQU ACTUAL PUMPING TI	5 IRED/	G.P.M
	(µmhos)		tu still dy aft te, po:	ī, 30

KITTI

CASTLE AFB	
WELL I.D. MW370 DATE 3	51 JINU 85 TIME 1315
OPERATING	STATIC
WATER LEVELFT.	total well depth 83 ft.
PUMPING RATEG.P.M.	S.W.L. 42 FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 4/ FT.
MALYTES VOA in MEK O'D and Creuse Tix Tox Phendics Nitrate Ion	WATER VOLUME X3= SO G. FLOW RATE G.P.M PUMPING TIME REQUIRED ACTUAL PUMPING TIME MINS.
PH NOTES: X = NOT APPLICABLE SAMPLER	

WESTERN

(ASTLE AFB			
WELL I.D. MW 340	DATE 3/	JAN 8- 11/5	
OPERATING	-	STATIC	
WATER LEVEL	_FT.	TOTAL WELL DEPTH 83 FT	•
PUMPING RATE	_G.P.M.	S.W.L. 43 FT	•
TOTAL GALLONS PUMPED	_G.	WATER COLUMN 40 FT	•
ANALYTES VOA in McK Oil and Creve TOX Thorolis Nitrat In		WATER VOLUME 76 G. X3= 79 G. FLOW RATE 5 G. PUMPING TIME REQUIRED 6 MI	P.M NS.
oc conductivity by ph NOTES: X = NOT APPLICABLE SAMPLER A/AD	(µmhos)		

W. STIEN

CASTLE AFB		
WELL I.D. Hw 350 DATE	24 Jon 85 TIME 1315	
OPERATING X	STATIC	-
WATER LEVELFT.	TOTAL WELL DEPTH 92	FT.
PUMPING RATEG.P.M.	s.w.L50	FT.
TOTAL GALLONS PUMPED G.	WATER COLUMN 42	_FT.
VOA Ne MEK aland heuse Toc	WATER VOLUME 27 X3= 22 FLOW RATE 5	_G. _G. _G.P.M.
TOX	PUMPING TIME REQUIRED />	_MINS.
Phendics Nitrate In Nevals Perticula, Herbicidas	ACTUAL PUMPING TIME 20	_MINS.
236 3.04 CONDUCTIVITY (µmhos 7.9 pH NOTES: X = NOT APPLICABLE		
SAMPLER A)/2A		

WESTER

CASTLE AFB	
WELL I.D. MW 360 DATE_/	-29.85 TIME 1230
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 92 FT.
PUMPING RATEG.P.M.	S.W.L. 54 FT.
TOTAL GALLONS PUMPEDG.	water column 38 ft.
VOA in. HER O'I and Grease Tix	WATER VOLUME $\frac{25}{75}$ G. X3= $\frac{75}{6}$ G. FLOW RATE $\frac{25}{2.5}$ G.P.M
Merals Phenolius Nitata In Restricts	PUMPING TIME REQUIRED ?? MINS.
lesticides Jernaides	ACTUAL PUMPING TIME 30 MINS.
CONDUCTIVITY (µmhos) 76 ph NOTES: X = NOT APPLICABLE SAMPLER 13 / 100 / 101	

W. Fried

CASTLE AFB	
WELL I.D. <u>Hω37υ</u> DATE	1 - 9-85 TIME 1450
OPERATING	STATIC
WATER LEVEL FT.	TOTAL WELL DEPTH 99 FT.
PUMPING RATEG.P.M.	S.W.L. 58 FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 4/ FT.
NALYTES VOA in MEK OI and creuse Toc Tox Merals Pherolis Pitrati In Festicides	WATER VOLUME 7 G. X3= 60 G. FLOW RATE 7 G.P.M PUMPING TIME REQUIRED 3 MINS.
Hersicids	ACTUAL PUMPING TIME 3330 MINS.
$\frac{\frac{166 = 17}{324 = 320}}{\frac{7.9}{9}}$ CONDUCTIVITY (µmhos ph	;,
SAMPLER TB/WM/MM	

WESTERN

(ASTLE AFB	
WELL I.D. Mw 380 DAY	TE 247AN85 TIME 0930
OPERATING X	STATIC
WATER LEVEL FT.	TOTAL WELL DEPTH 95 FT.
PUMPING RATEG.P	.M. S.W.L. <u>62</u> FT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN 33 FT.
ANALYTES VOA inc. HEK O'D and Creuse	WATER VOLUME $2 \ Z \ G$. X3= $G \ G$
Toc Tox Merals Mendis Nitrate In	FLOW RATE G.P.M PUMPING TIME REQUIRED MINS.
Pedrades Herbindes	ACTUAL PUMPING TIME /3 MINS.
21.3 °C 487 CONDUCTIVITY (µm 7.2 pH NOTES: X = NOT APPLICABLE	hos)
SAMPLER AD IRA IUM	

(MSTLE AFB

WELL I.D. MW 390	DATE 28	SAN	TIME 093	0
OPERATING		STATIC		
WATER LEVELF	т.	FOTAL WELL DE	PTH 104	FT.
PUMPING RATEG	.P.M.	S.W.L	60	FT.
TOTAL GALLONS PUMPEDG		WATER COLUMN_	44	FT.
ANACES VOA in MEK Of and Crease Toc Tox Merals Plenolics Nitrate Ior Pesticides Herbicides	1	FLOW RATE	29 86 ~5 REQUIRED 17	G.P.M.
CONDUCTIVITY (7 2 ph NOTES: X = NOT APPLICABLE SAMPLER AD / NO	umhos)			

KITT

(ASTLE AFB				
WELL I.D. <u>μω 4ου</u>	DATE 2	JANES	TIME // 45	
OPERATING		STATIC		-
WATER LEVELF	T.	TOTAL WELL DEPTH_	100	_FT.
PUMPING RATEG	G.P.M.	s.w.L. 55		_FT.
TOTAL GALLONS PUMPEDG	ş.	WATER COLUMN	45	_FT.
ANALYTES VOA MO HEK O'QUILD CROSSE TOC TOX Merals Phendics Nitrate Ion Pesticides Habicides		WATER VOLUME X3= FLOW RATE PUMPING TIME REQU ACTUAL PUMPING TI	IRED 18	_G.P.M _MINS.
CONDUCTIVITY (F5 7,5 pH NOTES: X = NOT APPLICABLE SAMPLER AD/MN/WM	(µmhos)			

WESTER

(ACTLE AFB	
WELL I.D. MW 410 DATE	28 Jan 85 TIME 14 20
OPERATING ×	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 97 FT.
PUMPING RATEG.P.M.	S.W.L. 50 FT.
TOTAL GALLONS PUMPEDG.	water column 47ft.
VOA in HEK oil and Gease	WATER VOLUME $3/$ G. $33=$ G.
Toc. Tox	FLOW RATE G.P.M
Hetals phonolics Nitrata In Pesticides	PUMPING TIME REQUIRED 3/ MINS.
Pesticides Helicides	ACTUAL PUMPING TIME 37 MINS.
CONDUCTIVITY (µmhos pH NOTES: X = NOT APPLICABLE)
SAMPLER AD/MN	

KITTI

WELL I.D. Hw 470 DATE 2	4 Jan 85 TIME /000
OPERATING X	STATIC
WATER LEVEL FT.	TOTAL WELL DEPTH 100 FT.
PUMPING RATEG.P.M.	S.W.L. 5/ FT.
TOTAL GALLONS PUMPEDG.	water column +7 ft.
ANACTTES WHAIN. MER OF G TOX Metals Phenolycs Nitrace Ion Pestides/Persiales	WATER VOLUME X3= G. X3= G. G. FLOW RATE S. 2 G.P. PUMPING TIME REQUIRED MINS ACTUAL PUMPING TIME 25 MINS
203 °C 304 CONDUCTIVITY (µmhos) 7.7 pH NOTES: X = NOT APPLICABLE	

SITE CASTLE AFB	SAMPLERS: AD/RA
WELL I.D. Mul (+30 DATE 3	C TAN 85 TIME (1930
OPERATING	STATIC
WATER LEVEL FT.	TOTAL WELL DEPTH > ! FT.
PUMPING RATE G.P.M.	s.w.L. 50
FOTAL GALLONS PUMPEDG.	WATER COLUMN 31 FT.
VOR inc MEK O'I and Grewe Toc Tox Phenolics	WATER VOLUME 20 G. X3= G. FLOW RATE ~ 5 G.P.M. PUMPING TIME REQUIRED 2 MINS. ACTUAL PUMPING TIME 13 MINS.
	DUPLICATE TAKEN YES NO I.D. ASSIGNED FIELD # CONDUCTIVITY (pumhos pH SAMPLES TAKEN:

SITE CASTLE AFB	SAMPLERS: AD/MN/WM
WELL I.D. MW 440 DATE FIELD #	Z8J_285 TIME /538
operating X	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 99 FT.
PUMPING RATEG.P.M.	S.W.LFT.
TOTAL GALLONS PUMPEDG.	water column 53 ft.
ANALYTES VOA'no. HEK O'D' and Grease Toc Tox Phenolics	WATER VOLUME 35 G. $X3 = 104$ G. FLOW RATE $\sim 5 + $ G.P.M. PUMPING TIME REQUIRED $\bowtie 0$ MINS.
	ACTUAL PUMPING TIMEMINS.
CONDUCTIVITY (µmhosph	DUPLICATE TAKEN YES NO I.D. ASSIGNED FIELD # CONDUCTIVITY (µmho pH SAMPLES TAKEN:

SITE CASIC AFB	SAMPLERS: MO/DB/RA
WELL I.D. <u>M.S 450</u> DATE 2 FIELD #	4 JAN 35 TIME // 30
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH 97 FT.
PUMPING RATEG.P.M.	S.W.L. 4 ² FT.
TOTAL GALLONS PUMPED G.	WATER COLUMN 50 FT.
•	WATER VOLUME 32 G. X3= 96 G. FLOW RATE G.P.M. PUMPING TIME REQUIRED 20 MINS. ACTUAL PUMPING TIME MINS.
19.8 °C 329 CONDUCTIVITY (µmhos) 7.5 pH SAMPLES TAKEN: VA A Mek Was Grusse TOC TOX Phenoliss N. trule Ism	DUPLICATE TAKEN YES NO I.D. ASSIGNED FIELD # CONDUCTIVITY (pumhos pH SAMPLES TAKEN:

SITE AS LE AFB	SAMPLERS:
WELL I.D. Alogary DATE_3	50 /AN 85 TIME /2 33
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH / O FT.
PUMPING RATEG.P.M.	S.W.LFT.
	WATER COLUMN 52 FT.
VOA inc MEK Oil and Grease	WATER VOLUME 34 G. x3 = 102 G.
Toc Tox Meruls Phenolics Nitrate Tean Restricts Herbicides	PUMPING TIME REQUIRED 25 MINS. ACTUAL PUMPING TIME 35 MINS.
200 CONDUCTIVITY (µmhos) 8.1 pH SAMPLES TAKEN:	DUPLICATE TAKEN YES NO I.D. ASSIGNED HW 46/ FIELD # " 15.0 °C 206 CONDUCTIVITY (µmhos ph SAMPLES TAKEN:

SITE CASTLL AFB	SAMPLERS: AD/RA
WELL I.D. <u>Mi 470</u> FIELD # DATE 2	9 TAN 85 TIME 1515
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTH /()O FT.
PUMPING RATEG.P.M.	S.W.L. 46 FT.
TOTAL GALLONS PUMPEDG.	water column 54 ft.
ANALYTES VOA in ME k. O'D and Greuse TOC TOX Merals Phanolics Nitrate Ion Pesticides Herbicides	WATER VOLUME X3= /OC G. FLOW RATE S. G.P.M. PUMPING TIME REQUIRED ACTUAL PUMPING TIME Z2 MINS.
CONDUCTIVITY (µmhos) 8.5 pH SAMPLES TAKEN:	DUPLICATE TAKEN YES NO I.D. ASSIGNED FIELD # CONDUCTIVITY (µmho: pH SAMPLES TAKEN:

The same of the sa

SITE Castle AFB	samplers: B/M/N
WELL I.D. FR-/ FIELD # FR-/	-30-85 TIME 0830
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTHFT.
PUMPING RATE G.P.M.	S.W.LFT.
TOTAL GALLONS PUMPEDG.	WATER COLUMN FT.
Lininger lived with sumped chrough a strang enry wild stranger will be sumplied of the sumplies when a stranger will be sumplied of the stranger will be stranger with the stranger when the stranger were.	WATER VOLUME G. X3= G. FLOW RATE 7 G.P.M. PUMPING TIME REQUIRED MINS. ACTUAL PUMPING TIME 20 MINS.
°CCONDUCTIVITY (µmhos)pH SAMPLES TAKEN:	DUPLICATE TAKEN YES NO I.D. ASSIGNED FIELD # °C

COCCUMENTAL SOCIOES

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SITE FIELD BLANK	SAMPLERS: AD/RA
WELL I.D. <u>FB-2</u> FIELD # <u>FB-2</u> DATE 3	17ANSS TIME CH Z
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTHFT.
PUMPING RATEG.P.M.	S.W.LFT.
TOTAL GALLONS PUMPED G.	WATER COLUMN FT.
NOTE: Field Blank 2 consisted of dumineralized water pumped through a steam jerny (heated), then through	WATER VOLUME G. X3= G. FLOW RATE G.P.M.
from end of tellon/stander steel promp discharge line, except for of and great, which was colloted from bouler dipped in dewntonichen touch.	PUMPING TIME REQUIREDMINS. ACTUAL PUMPING TIMEMINS.
	DUPLICATE TAKEN YES NO I.D. ASSIGNED FIELD # CONDUCTIVITY (µmhos pH SAMPLES TAKEN:

SITE FIELD BLANK	SAMPLERS: AP/RA
WELL I.D. F3-3 FIELD # FB-3	17AN85 TIME ()530
OPERATING	STATIC
WATER LEVELFT.	TOTAL WELL DEPTHFT.
PUMPING RATEG.P.M.	S.W.LFT.
TOTAL GALLONS PUMPED G.	WATER COLUMNFT.
NOTE Fold Blank 3 consisted of a water collected pringle of through steam jenny, collected from the end of the steam wand	WATER VOLUME G. X3= G. FLOW RATE G.P.M. PUMPING TIME REQUIRED MINS. ACTUAL PUMPING TIME MINS.
9.1 °C 38 CONDUCTIVITY (µmhos) 10.2 pH SAMPLES TAKEN: VOA (EPA 602)	DUPLICATE TAKEN YES NO I.D. ASSIGNED FIELD # CONDUCTIVITY (µmhos pH SAMPLES TAKEN:

SITE FICLD BLANGE	SAMPLERS: AD/RA
WELL I.D. <u>FB-4</u> FIELD # <u>FB-4</u> DATE 3	JAN 85 TIME 0940
OPERATING	STATIC
WATER LEVEL FT.	TOTAL WELL DEPTHFT.
PUMPING RATEG.P.M.	S.W.LFT.
TOTAL GALLONS PUMPEDG.	WATER COLUMNFT.
Note Fild Blank 4 consisted of	WATER VOLUME G.
destraye from the dimeneralized water line (PVC and salvanized) before it was primped through steam jenung or sample primp	FLOW RATEG.P.M. PUMPING TIME REQUIREDMINS.
	ACTUAL PUMPING TIMEMINS.
°CCONDUCTIVITY (µmhos)	DUPLICATE TAKEN YES NO I.D. ASSIGNED FIELD #
SAMPLES TAKEN: VOA INC MCK (EPR 601)	°C CONDUCTIVITY (µmhos
VOA (CPA Goz)	SAMPLES TAKEN:

site Catlle AFR	Samplers MAIN
Field # $CEHL$ $EN850197$ Sample I.D. $SC-1$	Date 3-4-85 Time 1000
Water Level °C (Immediate) Conductivity (umhos) pH °C (at pH Cond. Readings)	Samples Taken: EPA 601 EPA 6
Duplicate Taken: yes no I.D. Assigned Field # Conductivity (umhos) pH	Samples Taken:

Site <u>Castle 4FB</u> Field # <u>EHL6.4850198</u>	Samplers M. M.
Sample I.D. SG-2	Date 3-4-85 Time 1030
Water Level 6.07 Conductivity (umhos) pH 7.6 Conductivity (umhos) Readings)	Samples Taken: EPA 601 EPA 602 + INCLE TO X TO X Metals Phenols N. trates Post/Herb
Duplicate Taken: yes no I.D. Assigned Field # Conductivity (umhos) pH	Samples Taken:

Site (asle AFR) Field # CEHL GN \$50199 Sample I.D. 56-3	Samplers <u>MDA</u> Date <u>3-4/-85</u> Time <u>//00</u>
Water Level	Samples Taken: EPA 601 EPA 602 - MELL id + Grazz TOC TOX Metals Phenols N. trutes Pest/Haub
Duplicate Taken: yes no I.D. Assigned Field # Conductivity (umhos) pH	Samples Taken:

site Castle AFB	Samplers 120
Field # <u>CEHL 6 N850300</u> Sample I.D. <u>SG-4</u>	Date 3-4/-85 Time ///)
Water Level	Samples Taken: EPA 601 EPA 602 + VNEIC Oil + Corceise TOC TOX Metals Phenolo (i.trate Pest/Harb
Duplicate Taken: yes no I.D. Assigned Field Conductivity (umhos) pH	Samples Taken:

Site <u>Castle AFB</u> Field # <u>OCHL 6N850201</u> Sample I.D. <u>SG-5</u>	Samplers ///// Date 3-4-85 Time 1200
Water Level 8.30 // °C (Immediate) 240 Conductivity (umhos) pH /0.8 °C (at pH Cond. Readings)	Samples Taken: EPA 601 EPA 602 + MEM OIL + Greese TOC TOX Metals Phenols Nitrate Pest/Hab
Duplicate Taken: yes no I.D. Assigned Field Conductivity (umhos) PH	Samples Taken:

Site <u>Castle AFB</u> Field # <u>OFHL GN850202</u> Sample I.D. <u>SG-6</u>	Samplers
Water Level 6.38 Conductivity (umhos) pH 8.5 °C (at pH Cond. Readings)	Samples Taken: EPA 601 EFA 602 + MEN Oil + Grave TOC TOX Metal3 Phenol3 N. trate Post/Herb
Duplicate Taken: yes no I.D. Assigned SG-5a Field # OEHL GN850203 8.5 °C 210 Conductivity (umhos) 7.3 pH	Samples Taken: EPA 601 EPA 602 + MEL 0+ G TOC TOC TOX Metal. Phenols n. trate Pest/Herb

site <u>Castle AFB</u> Field # <u>OEHL 6486304</u>	Samplers Myn
Sample I.D. 56-7	Date 3-4-85 Time 1255
Water Level 7.64	Samples Taken: EPA 601 EPA 602 + MEh Oil + Greaze TOC TOX
Duplicate Taken: yes no I.D. Assigned Field CC Conductivity (umhos) pH	Samples Taken:

te <u>3-4-85</u> Time <u>/305</u>
Samples Taken: EPA 601 EPA 602 + MEh Oil + (-reuse TOC TOX
Samples Taken:

site <u>Castly AFR</u> Field • <u>OEHL GN850206</u> Sample I.D. <u>SG-9</u>	Date 3-4-85 Time 1315
Water Level°C (Immediate)	Samples Taken: EPA 601 EPA 602 + In Ele Oil + Grease TOC TOX
Duplicate Taken: yes no I.D. Assigned SG-9a Field # OEHL GN850207	Samples Taken: EPA-601 EPA-602 + MEla Oil + Grease TOC TOX

LOG SHEETS SECOND ROUND WATER SAMPLING 1-12 APRIL 1985

site Carlle AFB PRODUCT	Samplers DB DJ/A	
Sample I.D. New PW	Date 4-1-85 Time 1.300	<u>) </u>
STATIC	operating X	
TOTAL WELL DEPTHFT.	WATER LEVEL	FT.
S.W.LFT.	PUMPING RATE	G.P.
WATER COLUMNFT.	TOTAL GALLONS PUMPED	G.
WATER VOLUME G. X3= G. FLOW RATE G.P.M. PUMPING TIME REQUIRED MINS. ACTUAL PUMPING TIME MINS.	SAMPLES TAKEN: EPA 601 EPA 602+ MEL 0+G TOC TOX Phonolics	
°C (Immediate) 296		
DUPLICATE TAKEN YES NO I.D. ASSIGNED FIELD # CONDUCTIVITY (pushos)	SAMPLES TAKEN:	
~tt	н-59	

site <u>Castle AFB</u> PRODUC' Field # Sample I.D. <u>PW-1</u>	Samplers $03 + A0 + 0J$ Date $y-9-35$ Time 0830
STATIC	OPERATING
TOTAL WELL DEPTH 273 FT.	WATER LEVELFT.
S.W.LFT.	PUMPING RATEG.P.
WATER COLUMNFT.	TOTAL GALLONS PUMPEDG.
WATER VOLUME G. X3= G. FLOW RATE ~ 500 gp G.P.M. PUMPING TIME REQUIRED MINS.	SAMPLES TAKEN: VOA + MEK Oil + Grease TOL TOX Phenolics
ACTUAL PUMPING TIME 20 MINS.	_
°C (Immediate) 286 Conductivity (umhos) pH 26.3 °C (at pH Cond. Readings)	
DUPLICATE TAKEN YES NO	SAMPLES TAKEN:
I.D. ASSIGNED	
°C CONDUCTIVITY (µmhos)
	н 60

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site Castle AFR PRODUC	Samplers 23-27
Field #	
Sample I.D. $\rho_{\omega-2}$	Date 4-9-85 Time 09/0
STATIC	OPERATING
rotal well depth 320 ft.	WATER LEVELFT.
S.W.L. 40 FT.	PUMPING RATEG.P.
WATER COLUMN 280 FT.	TOTAL GALLONS PUMPEDG.
WATER VOLUME G.	SAMPLES TAKEN:
	VOA + MEK
FLOW RATE ~ 500 gym G.P.M.	Oil+Grease Toc
PUMPING TIME REQUIREDMINS.	Tox Phenolics
ACTUAL PUMPING TIME MINS.	
Conductivity	
7.54 (umhos)	
26.2 °C (at pH Cond. Readings)	
DUPLICATE TAKEN YES NO	SAMPLES TAKEN:
I.D. ASSIGNED	
FIELD #	
*c	
CONDUCTIVITY (µmho)s)
~#####################################	u_61

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site Castle	AFB PRODUC	TION WELL Samplers DB/AJ	
Field #		Date <u>1-9-85</u> Time <u>0945</u>	
STATIC		OPERATING	-
TOTAL WELL DEPTH 290	ĎFT.	WATER LEVEL	_FT.
S.W.L	FT.	PUMPING RATE	_G.P
WATER COLUMN	FT.	TOTAL GALLONS PUMPED	_G.
WATER VOLUME X3= FLOW RATE V 400 PUMPING TIME REQUIRED	G.P.M. G.P.M. MINS.	SAMPLES TAKEN: VOA 4 MEK Oil + Grease TOC TOX Phenolics	
7.42 pH (u			
DUPLICATE TAKEN YI	ES NO	SAMPLES TAKEN:	
COND	uctivity (پسhos	· ·	

site Captle AFB PROBU	Samplers ES+DJ
Field # Sample I.D. PW-4.	Date <u>4-9-85</u> Time <u>1005</u>
STATIC	OPERATING
rotal well depth 290 ft.	WATER LEVELFT.
S.W.LFT.	PUMPING RATEG.P.
WATER COLUMNFT.	TOTAL GALLONS PUMPEDG.
WATER VOLUME G. X3= G. FLOW RATE G.P.M	EPA601 EPA602+MEL
PUMPING TIME REQUIRED MINS.	0+6
ACTUAL PUMPING TIME MINS.	metals
°C (Immediate) 269 Conductivity (umhos) pH 24.9 °C (at pH Cond. Readings)	Nitrate Pect/Herb
DUPLICATE TAKEN YES NO	SAMPLES TAKEN:
CONDUCTIVITY (pmhc) s)

site Castle AFB PRODUCTION	ON WELL Samplers D8/AD	
Field # Sample I.D. $PW-5$	ate 4.9-85 Time /	415
STATICX	OPERATING	
TOTAL WELL DEPTH /20 FT.	WATER LEVEL	f T .
s.w.L. <u>UA</u> FT.	PUMPING RATE	G.P.
WATER COLUMN FT.	TOTAL GALLONS PUMPED	G.
WATER VOLUME X3= G. FLOW RATE W 30gp 35 G.P.M. PUMPING TIME REQUIRED MINS. ACTUAL PUMPING TIME C (Immediate) 7.54 QH QH C (at pH Cond. Readings)	SAMPLES TAKEN: VOA of MEK Oil + Grease TOC TOX Phenolics Nitrate Ions	
DUPLICATE TAKEN I.D. ASSIGNED PW-5A FIELD 24.5 CONDUCTIVITY (µmhos) 7.53 PH	SAMPLES TAREN: VOA+MEN OF G TOY Phenol: 15 N. Mete	

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site ('astle AtR	Date 4-9-85 Time 1505
STATIC	OPERATING
TOTAL WELL DEPTH 120 FT.	WATER LEVELFT
s.w.L. NA FT.	PUMPING RATEG.:
WATER COLUMNFT.	TOTAL GALLONS PUMPED G.
WATER VOLUME X3= G. FLOW RATE G. FLOW RATE G. FLOW RATE G. FLOW RATE G. FLOW RATE G. FLOW RATE FL	TOC TOX Phenolics Nitrate Ion
DUPLICATE TAKEN YES NO 1.D. ASSIGNED FIELD CONDUCTIVITY (p	SAMPLES TAKEM:

site <u>Castl</u>	e AFB PR	RODUCTI	ON WELL Samplers DB/DJ/AD	
Field $*$ Sample I.D. $\rho\omega$ -	7	D	on well - Samplers DB/DJ/AD Pate 4.9.35 Time //00	
STATIC		-	operating	_
TOTAL WELL DEPTH 2	60 ft	•	WATER LEVEL	_FT.
S.W.L.	FT	•	PUMPING RATE	_G.P.
WATER COLUMN	FT	'•	TOTAL GALLONS PUMPED	_G.
WATER VOLUME X3= FLOW RATE 3000 - 40 PUMPING TIME REQUIRE	oo gph o.	₽.N.	SAMPLES TAKEN: VOA + MEK Oil + Grease TOC TOX Phenolics	
ACTUAL PUMPING TIME		ins.	Well funfing aireadu	
201	C (Immediate) onductivity (umhos)		fomposis 10 mm sampling	
25.7	C (at pH Cond Readings)	•		
DUPLICATE TAKEN I.D. ASSIGNED	YES NO)	SAMPLES TAKEN:	
FIELD • CO	NDUCTIVITY ()	unhos)		

site Castle AFB PRODUCTION	ON WELL Samplers DB/DJ/AD
Field # Sample I.D. $\rho\omega$ -8	
STATIC	operatingX
TOTAL WELL DEPTH 300 FT.	WATER LEVEL 16 Reading Possible FT.
S.W.LFT.	PUMPING RATEG.P.
WATER COLUMNFT.	TOTAL GALLONS PUMPEDG.
WATER VOLUME G. X3= G.	SAMPLES TAKEN: VOA + MEK
PUMPING TIME REQUIRED MINS.	Oil+Grease TOC TOX Phenolics
ACTUAL PUMPING TIME MINS.	weel pumping - pumped 2
C (Immediate) 271 Conductivity (umhos) pH	5 min. after arrival betore taking samples
°C (at pH Cond. Readings)	
DUPLICATE TAKEN YES NO	SAMPLES TAKEN:
I.D. ASSIGNED PW-8A	voatmer
FIELD #	Oil + Grease
	TOC
•c	blisionics
270 CONDUCTIVITY (µmhos)	•
7·49 ~™	1-67

Site _ Ca	stle_AFB PRODUCT	Date 4-9-85 Time 1530	
Field #			
Sample I.D. ρ_{i}	N-11	Date 4-9-85 Time 1530	
•			
STATIC		ODERATING	
		OPERATING	_
TOTAL WELL DEDMU	40		
TOTAL WELL DEPTH_	80 FT.	WATER LEVEL	_FT.
S.W.L.	FT.	2000200	
		PUMPING RATE	_G.P.
		ľ	
WATER COLUMN	FT.	TOTAL GALLONS PUMPED	G.
			<u> </u>
WATER VOLUME	G.		
	G.	SAMPLES TAKEN:	
		UOA + MEK	
FLOW RATE	/O G.P.M.	' Oil + Grease	
•		TOC	
PUMPING TIME REOU	UIRED MINS.	Phenolics	
		Nitrate Ion	
		will are Lon	
ACTUAL PUMPING TI	ME MINS.	1	
	· °C (Immediate)		
223	,		
	- Conductivity (umhos)		
7.51	- pH		
24.6	°C (at pH Cond.		
	Readings)		
DUPLICATE TAKEN	YES NO	SAMPLES TAKEN:	
I.D. ASSIGNED			
_			
FIELD •			
	_ •c		
	CONDUCTIVITY (pmhos)		
	-		
	рĦ	H=68	

site Castle AFB.	•
Sample I.D. TW-12	Date 10 APR 45 Time 1350
TOTAL WELL DEPTH 97 FT.	Samples Taken: VOA + MEK Oil + Grease
S.W.L. 30.61 FT.	TOX Metals (Cd, Cr, Pb, Hg, Ag)
WATER COLUMN 66 FT.	Phenolics Nitrate Ion Pest/Herb
WATER VOLUME 45 G. X3= 135 G.	
FLOW RATE 15 G.P.M.	
PUMPING TIME REQUIRED 9 MINS.	
ACTUAL PUMPING TIME 14 MINS.	570 Conductivity (umhos)
BAILED	22.4 °C (at pH Cond Readings)
Duplicate Taken: yes no 1.D. Assigned	Samples Taken:
Field #	
°C (Immediate)	·
Conductivity (umhos)	
*C (at pH Cond. Readings)	

site Castle AFB.	WELL LOG SHEET Samplers	ADIUM
Field #	Date 10 April 65	
TOTAL WELL DEPTH 90 PT.	Samples Tak VOA + MEK Oil + Grease	en:
S.W.L. 33.69 FT.	TOC	
WATER COLUMN 55 FT.	Metals (Cd, Cr, P Phenolics Nitrate Ion	rb, Hz, Az)
WATER VOLUME 37.6 G.	Pest/Herb	
$X3 = \frac{1}{2} \frac{1}{2}$		
FLOW RATE /5 G.P.M.		
PUMPING TIME REQUIRED 8 MINS. ACTUAL PUMPING TIME 10 MINS.		(umbos)
BAILED	22. 2	<pre>C (at pH Cond Readings)</pre>
Duplicate Taken: yes no	Samples Taken:	
I.D. Assigned		
Field #	·	
°C (Immediate)		·
Conductivity (umhos)		
*C (at pH Cond.		
Readings)		

GROUNDWATER W	Samplers DROJAC
Sample I.D. 7W-14 Da	te 4 10.85 Time 1600
TOTAL WELL DEPTH 92 FT. S.W.L. 39.94 FT.	Samples Taken: UOA + MEK Dil + Grease TOC TOX
WATER COLUMN 57 FT.	Phenolics
WATER VOLUME 39 G. X3= //7 G.	
FLOW RATE G.P.M.	
PUMPING TIME REQUIRED MINS. ACTUAL PUMPING TIME MINS.	°C (Immediate) 470
BAILED	2/6 °C (at pH Cond. Readings)
Duplicate Taken: yes no	Samples Taken:
I.D. Assigned Field #	·
Conductivity (umhos) pH Conductivity (umhos) pH Readings)	

Site Castle AFB. Field # Sample I.D. TW-15	Samplers AD/WH
Sample I.D. TW-15	Date 10 April 1981 Time 1445
TOTAL WELL DEPTH 82 PT.	Samples Taken: VoA + MEX Oil + Grease
S.W.L. 32 3197 FT.	70C 70X
WATER COLUMN 50 FT.	Metals (Cd, Cr, Pb, Hg, Ag) Phenolics Nitrate Ion Past/Herb
water volume $\frac{34}{102}$ G.	TEST/HETA
FLOW RATE	
PUMPING TIME REQUIRED 7 MINS.	2/ °C (Immediate) 555 Conductivity
ACTUAL PUMPING TIME 8 MINS.	Conductivity (umhos)
BAILED	23.6 °C (at pH Cond. Readings)
Duplicate Taken: yes no	Samples Taken:
I.D. Assigned	
Field #	
Conductivity (umhos) pH	
*C (at pH Cond. Readings)	

GROUNDWATER WE	Samplers AD/WM
Site <u>Castle AFB</u>	Sample 110/101
Field # Sample I.D. TW-/b: Da	10 M 18% Time 1/30
Sample 1.b. /w-/h	
TOTAL WELL DEPTH /02 FT.	Samples Taken:
TOTAL WELL DEPTR / C = F1.	UOA + MEK
	Dil + Grease
s.w.L. 37-97 FT.	700
	70x Phenolics
/ 4	Phenomes
water column 64 ft.	
water volume 44g.	
X3= /3) G.	
FLOW RATE G.P.M.	
	21.0
PUMPING TIME REQUIRED /3 MINS.	°C (Immediate)
	438Conductivity
ACTUAL PUMPING TIME 20 MINS.	(umhos)
BAILED	22.5 °C (at pH Cond. Readings)
Duplicate Taken: (yes) no	Samples Taken:
I.D. Assigned War	UOA + M EK
Field #	Odt Greate
	TOC
	Tox
°C (Immediate)	Phenolics
Conductivity	
(umhos) ————————————————————————————————————	
•	
22 4 °C (at pH Cond. Readings)	

site Castle AFB.		
Field # D. Sample I.D D.	ote 10 April 1985	Time 1600
TOTAL WELL DEPTH 100 FT.	Samples Takes VoA + MEK Oil + Grease	n:
S.W.L. 3400 FT.	TOC TOX Metals (Cd, Cr, Pb,	Ha Aa)
WATER COLUMN 66 FT.	Phenolics Nitrate Ion Pest/Herb	יבייו <i>ביי</i>
water volume 45 g. x3= 135 g.	rest/Herb	
FLOW RATE /O G.P.M.		
PUMPING TIME REQUIRED 14 MINS.	1 -	°C (Immediate)Conductivity
ACTUAL PUMPING TIME 15 MINS. BAILED	7.00	(wmhos) - pH *C (at pH Cond Readings)
Duplicate Taken: yes no I.D. Assigned	Samples Taken:	
Field #		
°C (Immediate) Conductivity (umhos) pH		
°C (at pH Cond. Readings)		

Site _	Castle AF	B	WELL LOG SHEET Samplers	DR ID IAD
Field # _ Sample I.D	TW-18:		Date 4-10 85	Time /625
TOTAL WELL DEI	PTH 8-9	FT.	Samples Take VOA + MEK Oil + Grease	en:
S.W.L	37.92	FT.	TOC TOX Phenolics	
WATER COLUMN_	51	FT.		
	54.8 104	G. G.		
FLOW RATE		G.P.M.	·	
PUMPING TIME	REQUIRED	MINS.	<u>21</u> <u>346</u>	°C (Immediate) Conductivity
ACTUAL PUMPIN	G TIME	MINS.	7.27	(umhos) PH
Duplicate Take	en: yes (no		Samples Taken:	
I.D. Assigned Field #				
	Conductive (umhos) pH Conductive (umhos) PH Read:	vity) H Cond.		

site Castle AFB	UNDWATER 1	NELL LOG SHEET Samplers	went TRA
Sample I.D. TW-19	_		Time _/525
TOTAL WELL DEPTH 78	_rr.	Samples Tak UOA + MEK Oil + Grease	en:
s.w.L. 44.60	FT.	Toc Tox Phenolics	
WATER COLUMN 33	FT.	Nitrate Ion	
water volume 86. z . x3= 259	G. ` · G.		
FLOW RATE 5.0	G.P.M.		
PUMPING TIME REQUIRED 52	MINS.		°C (Immediate) Conductivity
ACTUAL PUMPING TIME 55 BAILED	mins.	7.4	(umhos) pff *C (at pH Cond. Readings)
Ouplicate Taken: yes no		Samples Taken:	
Field # *C (Immed			
Conductive (umhos)	ity		
°C (at pE			•

GROUNDWATER W	Samplers AD INM
Site Castle AFB Field # Sample L.D. TW-15	ii d : 1
Sample I.D. TW-19 D.	ate
TOTAL WELL DEPTH	Samples Taken: UOA + MEK
S.W.L. 44.98 FT.	
water column 31 ft.	
WATER VOLUME $\frac{\xi_1}{24\gamma}$ G.	
FLOW RATE 5.5 G.P.M.	
PUMPING TIME REQUIRED 44 MINS.	Conductivity (umhos)
ACTUAL PUMPING TIME 55 MINS.	- bg
BAILED	C (at pH Cond Readings)
8" diameter	
Duplicate Taken: yes no	Samples Taken:
Field #	
Conductivity (umhos) pH	
°C (at pH Cond. Readings)	

site Castle AFB	Samplers DB/AT
Sample I.D. MW210:	Date 4:5-85 Time 0850
TOTAL WELL DEPTH 92 FT. S.W.L. 35.18 FT.	Samples Taken: VOA + MEM Oil + Grease Toc
WATER COLUMN 57 FT.	Phenolics
WATER VOLUME 37 G. X3= /// G. FLOW RATE 3 G.P.M.	815
PUMPING TIME REQUIRED 37 MINS. ACTUAL PUMPING TIME 37 MINS. BAILED	°C (Immediate) O Conductivity (umhos) pH O (at pH Cond. Readings)
40 ft screen	
Duplicate Taken: yes no I.D. Assigned W-1, w-2, w-3 Field #	Samples Taken: 3 × VOA + MEK (EA 601 - 602)
Conductivity (umhos) pH Conductivity (umhos) pH Readings)	Note: Came back at 1230 and took 3 duplicate VOA samples Using 3 different sampling techniques (see field book)

GROUNI	DWATER WE	LL LOG SHEET	XP/XT
Site Castle AFB Field # Sample I.D. MU-220		2 quibiers -	D8/EX
mile 3 2 C		4-4-85	Time 1418
Sample 1.b.	Dat	7 7 00	
TOTAL WELL DEPTH 9/ F S.W.L. 32.91 F WATER COLUMN 58 F	T.	Samples Take VOA + MEK Oil + Grease TOC TOX Phenolics	n:
	3		
_	3.P.M.	. 22	
PUMPING TIME REQUIRED 38	MINS.	23	°C (Immediate)
		464	Conductivity
ACTUAL PUMPING TIME 58	MINS.	6.9 23.8	(umhos) pH *C (at pH Cond. Readings)
40 Jt Screen			
Duplicate Taken: yes no		Samples Taken:	
I.D. Assigned 92	. [na A na a li	
Field #		UDA + MEh Oil + Grease	
23 °C (Immediated and Conductivity (umhos) pH		Toi Toi Tox Theral 85.	
24.2 •C (at pH Co Readings			•

site Castle AFB.	Samplers D3/DV
Sample I.D. MW 230	Date 4-3-85 Time 0910
TOTAL WELL DEPTH 96 FT.	Samples Taken: VoA + MEK Oil + Grease
S.W.L. 35.92 FT.	TOL
WATER COLUMN 60 FT.	Metals (Cd, Cr, Pb, Hg, Ag) Phenolics Nitrate Ion Pest/Herb
WATER VOLUME 39 G.	TEST/HETO
$X3 = \frac{1/8}{}$ G.	
FLOW RATE G.P.M.	
PUMPING TIME REQUIRED 39 MINS.	°C (Immediate)Conductivity
ACTUAL PUMPING TIME 40 MINS.	7.04 (umhos)
BAILED	*C (at pH Cond.
Hoft screen	Readings)
Duplicate Taken: yes no	Samples Taken:
Field #	·
°C (Immediate)	
Conductivity (umhos)	
°C (at pH Cond. Readings)	

site Castle AFB. GROUNDWATER W	Samplers DR/DV
Field #	
Sample I.D. MW240 Da	ite 4-3-85 Time 1445
	Samples Taken:
TOTAL WELL DEPTH 97 FT.	VOA + MEK
	Oil + Grease
S.W.L. 30.23 FT.	TOC
	metals (Cd, Cr, Pb, Hg, Ag)
WATER COLUMN 67 FT.	Phenolics
	Nitrate Ion
WATER VOLUME 44 G.	Pest/Herb
x3 =	
FLOW RATE 3-3.75 G.P.M.	
EBON MAIL	
PUMPING TIME REQUIRED 44 MINS.	
	\sim
ACTUAL PUMPING TIMEMINS.	(umhos)
BAILED	eC (at pH Cond Readings)
40 St screen	
Duplicate Taken: (yes) no	Samples Taken:
I.D. Assigned MW24/	USAtmek
Field #	0 + 6
LTATA A	TUC
a/ •c (Immediate)	TOX
2/1	Metalo Phenolies Nitrate Ped/Hub
(umhos)	rhenous.
pa pa	2 1 Hailo.
21.2 °C (at pH Cond. Readings)	Page / 1'

site Castle AFB.	Samplers DB/DJ
Sample I.D. mw 250	Date <u>4-3-85</u> Time <u>N45-</u>
TOTAL WELL DEPTH 95 FT.	Samples Taken: VOA + MEK Oil + Grease
S.W.L. 34.06 FT.	70C 70X
WATER COLUMN 61 FT.	Metals (Cd, Cr, Pb, Hg, Ag) Phenolics Nitrate Ion
WATER VOLUME 46 G.	Pest/Herb
x3= <u>/20</u>	
FLOW RATEG.P.M.	
PUMPING TIME REQUIRED 40 MINS. ACTUAL PUMPING TIME 40 MINS.	
BAILED	19.6 °C (at pH Cond.
Hold screen	Readings)
Duplicate Taken: yes no	Samples Taken:
Field #	
Conductivity (umhos) pH *C (at pH Cond.	
Readings)	

site Castle AFB.	Samplers DE/A)
Pield #	ite 4-3-85 Time 1240
TOTAL WELL DEPTH 94 FT.	Samples Taken: VOA + MEK Oil + Grease
S.W.L. <u>35.51</u> FT.	TOX
WATER COLUMN 58 FT.	Metals (Cd, Cr, Pb, Hg, Ag) Phenolics Nitrate Ion Pest/Herb
water volume $\frac{38}{\sqrt{14}}$ G.	TEST/HER
FLOW RATE 3 G.P.M.	
PUMPING TIME REQUIRED 38 MINS.	
actual pumping time 40 mins.	
40 screen	20.8 °C (at pH Cond. Readings)
Duplicate Taken: yes no	Samples Taken:
I.D. Assigned	
°C (Immediate)	
Conductivity (umhos)	
PH C (at pH Cond. Readings)	

Site Castle AFB. GROUNDWATER W	Samplers DB DT
Field #	te 4-4-85 Time //00
TOTAL WELL DEPTH 92 FT. S.W.L. 34.47 FT. WATER COLUMN 57.5 FT.	Samples Taken: VOA + MEK Oil + Grease TOC TOX Metals (Cd, Cr, Pb, Hg, Ag) Phenolics Nitrate Ion Pest/Herb
WATER VOLUME 38 G. X3= //4 G. FLOW RATE 3 G.P.M.	
PUMPING TIME REQUIRED 38 MINS. ACTUAL PUMPING TIME 38 MINS.	-20 °C (Immediate)
BAILED 40 JA SCREN	PH 20.8 °C (at pH Cond. Readings)
Duplicate Taken: yes no I.D. Assigned Field #	Samples Taken:

site Castle AFB.	Samplers DB/DJ
Field # Sample I.D. MW-280 D	ate 4-4-85 Time 0925
TOTAL WELL DEPTH 9 FT.	Samples Taken: VOA + MEK Oil + Grease
S.W.L. 33.52 FT.	TOC
WATER COLUMN 57 FT.	Metals (Cd, Cr, Pb, Hg, Ag) Phenolics Nitrate Ion Pest/Herb
water volume 37 g. x3= //2 g.	TEST/HETA
FLOW RATE 3 C.P.M.	
PUMPING TIME REQUIRED 37 MINS.	*C (Immediate)
ACTUAL PUMPING TIME 37 MINS.	Conductivity (umhos) pH
BAILED	21.7 •C (at pH Cond. Readings)
Hoft screen	
Duplicate Taken: yes nd I.D. Assigned	Samples Taken:
Pield #	
°C (Immediate) Conductivity	
(umhos)	
*C (at pH Cond. Readings)	

site <u>Castle AFB</u>	Samplers VCM TRA
Site Costle AFB Field # Sample I.D. MU 290 De	ate <u>4-4-85</u> Time 1455
TOTAL WELL DEPTHFT.	Samples Taken: UOA + IMEK Oil + Grease
s.w.L. 35.37 FT.	TOX
WATER COLUMN 48 FT.	
WATER VOLUME 3/. 3 G. X3= 94 G.	
FLOW RATE 6.0 G.P.M.	
PUMPING TIME REQUIRED 19 MINS.	2/.5 Conductivity (unhos)
ACTUAL PUMPING TIME 2/ MINS. BAILED	229 °C (at pH Cond Readings)
20 st screen	
Duplicate Taken: yes no I.D. Assigned Field #	Samples Taken:
Conductivity (unhos) pH	
*C (at pH Cond. Readings)	

Site Castle AFB Samplers DR/DJ			
Field # Sample I.D. MW 290 Da	te 4-11-85 Time 1/00		
TOTAL WELL DEPTH 83 FT.	Samples Taken: UOA + MEK Oil + Grease		
s.w.L. 35.49 FT.	Phenolics		
WATER COLUMN 47.5 FT.			
water volume $3/$ G. x3= 93 G.			
FLOW RATE 3 G.P.M.			
PUMPING TIME REQUIRED 3/ MINS. ACTUAL PUMPING TIME 3/ MINS.	C (Immediate) Conductivity (umhos) PH		
BAILED	°C (at pH Cond. Readings)		
20 fr sceen			
Duplicate Taken: yes no I.D. Assigned Field #	Samples Taken:		
°C (Immediate)			
Conductivity (umhos) pH			
*C (at pH Cond.			

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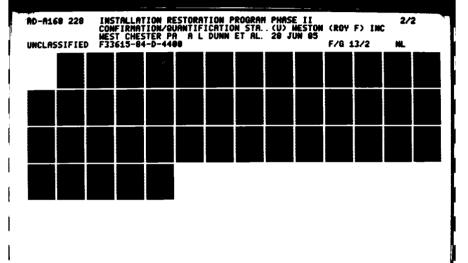
site <u>Castle AFB</u>	ELL LOG SHEET
Field # Sample I.D. Mw 300 Da	ite 4-5-85 Time 0900
TOTAL WELL DEPTH 93 FT.	Samples Taken: UOA + MEK Oil + Grease.
S.W.L. 37.42 FT.	TOC TOX
WATER COLUMN 55 FT.	
WATER VOLUME 36 G.	
FLOW RATE 50 G.P.M.	
PUMPING TIME REQUIRED 22 MINS. ACTUAL PUMPING TIME 23 MINS.	21.5 *C (Immediate) 390 Conductivity (umhos) pH 21.9 *C (at pH Cond.
40 St screen	Readings)
Duplicate Taken: yes no I.D. Assigned /4 w 30/ Pield #	Samples Taken: UOA + MEN OHG TOC TOX
27.5 °C (Immediate) 390 Conductivity (umhos) pH	
21.6 °C (at pH Cond.	·

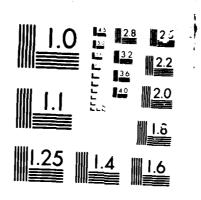
は、自然にはいいとは、自然などなどなどのであるからないと言うで

site Castle AFB	Samplers DR/D
Field # MW 300. Sample I.D.	Date 4-11-85 Time 0930
S.W.L	Samples Taken: UOA + MEK The Great Control C
WATER COLUMN .55 FT.	Alto bon
water volume 36 g x3= 108 g.	
FLOW RATE 3 G.P.M.	
PUMPING TIME REQUIRED 36 MINS.	°C (Immediate) Conductivity (umhos)
BAILED	PH C (at pH Cond. Readings)
Duplicate Taken: yes no I.D. Assigned	Samples Taken:
Field #	VOA + HER
Conductivity (umhos)	
*C (at pH Cond.	

20.00分割量では大きのマダン量がダウななは何質度でなかけったの間につかった。治量であってのなるのが置かったのである。第二、このでものであるのでもできます。

site Castle AFR	Samplers AD/WM
Site Castle AFR Field # Sample I.D. Mw 3/0. Day	to
TOTAL WELL DEPTH 90 FT.	Samples Taken:
s.w.L. 34.06 FT.	TOC TOCK
WATER COLUMN 56 FT.	at it is a second
MATER VOLUME 38 2 G	
PLOW RATE G.P.M.	
PUMPING TIME REQUIRED 23 MINS.	
ACTUAL PUMPING TIMEMINS.	Conductivity (unhos)
BAILED 40 for some	°C (at pH Cond. Readings)
Ouplicate Taken: yes no	Samples Taken:
Field #	
Conductivity (unhos)	





MICROCOT:

42.505

GROUNDWA	Samplers work JRA
Field •	
TOTAL WELL DEPTH 90 FT.	UOA + MEK Oil + Grease
S.W.L. 33.98 FT.	TOX
WATER COLUMN 56 FT.	
WATER VOLUME 36.6 G. X3= //0 G.	
FLOW RATE 5:0 G.1	P.M.
PUMPING TIME REQUIRED 22 MIN ACTUAL PUMPING TIME 25 MIN	293 Conductivity (unhos)
BAILED	22,2 °C (at pH Cond. Readings)
40 It screen	keadings,
70 Ja setter	
Duplicate Taken: yes no	Samples Taken:
I.D. Assigned	
Field #	•
Conductivity (umhos)	
*C (at pH Cond Readings)	H-91

site Castle AFR	Samplers IVEM ! JRA
Field 6 Sample I.D	te 4-4-85 Time 1330
OTAL WELL DEPTH \$2 PT.	Samples Taken: UOA + MEK Oil + Grease
W.L. 41 47 PT.	70C 70X Phenolics
ater column 41 FT.	Nitrate Ion
X3- 80 G.	
FLOW RATE 5.0 G.P.M.	
PUMPING TIME REQUIRED 16 MINS. ACTUAL PUMPING TIME 22 0 MINS.	21.5 °C (Imediate) 21.5 Conductivity (umbos) pl
3 Uft screen	22.8 °C (at pH Cond Readings)
Ouplicate Taken: yes no I.D. Assigned Pield #	Samples Taken:
Conductivity (whos)	

GROUNDWATER W	Semplers AD / M
Site <u>Costle AFB</u> Field # Sample I.D. <u>Mw 3zo</u> De	te 11 April 85 Time 12 15
TOTAL WELL DEPTH 82 PT.	Samples Taken: VOA + MEK
s.w.L. 41.74 FT.	
WATER COLUMN 40 FT.	
WATER VOLUME 27.3 G.	
x3= <u>\$2</u> G.	
FLOW RATE G.P.M.	
PUMPING TIME REQUIRED 17 MINS. ACTUAL PUMPING TIME 18 MINS.	Conductivity (unhos) PE *C (Immediate) Conductivity (unhos) PE *C (at pH Cond.
BAILED	Readings)
30 fr screen	
Duplicate Taken: yes no I.D. Assigned Field #	Samples Taken:
Readings)	

site Castle AFR	R WELL LOG SHERT Samplers won f TRA
Sample I.D. Mw 330	
TOTAL WELL DEPTH 87 PT.	Samples Taken: UOA + MEK Oil + Grease
S.W.L. 41.28 FT.	70c 70x Phenolics
WATER COLUMN 42 FT.	Nitrate Ion
WATER VOLUME 27.4 G	
PLOW RATE 50 G.P.M.	•
PUMPING TIME REQUIRED 17 MINS.	240 Conductivity
BAILED	
Ouplicate Taken: yes no I.D. Assigned Field #	Samples Taken: UOA+MEN O+G
Conductivity (unhos) pH 197 •C (at pH Cond.	DAG TOX Phendus Nitreta Iva

site Castle AFR Field #	Samplers BADT
Sample I.D. HW 370	Date <u>9-11-85</u> Time 1215
TOTAL WELL DEPTH 82 PT.	Samples Taken: UOA + MEK Oil + Greene
s.w.L. 41.46 PT.	70c 70x
WATER COLUMN 40.5 FT.	Alitate Ian
NATER VOLUME <u>26.5</u> G	
PLOW RATE 3 G.P.M.	
PUMPING TIME REQUIRED 27 MINS.	*C (Immediate)
ACTUAL PUMPING TIME 39 MINS.	Conductivity (umbos)
40 fr Saeu	°C (at pH Cond. Readings)
Ouplicate Taken: yes no I.D. Assigned	Samples Taken:
Pield • MW 331	VOA + MEK
*C (Immediate) Conductivity (umhos) ps	

Castla AFR	DUMDMATER	WELL LOG SHEET Samplers	WCM & JRA
mw-340		14-4-8F	
#_ <i>8</i>	FT.	Samples Take VOA + MEK	an :
42.00	FT.	70C	
41	FT.	Nitrate Ion	
			
		220	- °C (Immediate) - Conductivity (umhos)
		. 21.8	C (at pH Con Readings)
screx~			
		Samples Taken:	
	MW-340 83 42.00 41 26.8 80 5.0 EQUIRED 16 SCREXA	MW-340 42.00 FT. 41 FT. 26.8 G. 80 G. 5.0 G.P.M. EQUIRED 16 MINS. TIME 20 MINS.	## 83 FT. Samples Take UOA + MEK Oil + Grease 70c 70x Phenolics Nitrate Ion 26 8 G. 80 G. 50 G.P.N. EQUIRED 16 MINS. 21.0 220 71.6 21.8 Samples Taken;

	Samplers B/DJ
Pield #	te 4-11-35 Time 1345
rotal well depth 83 pt. s.w.l. 42.21 pt.	Samples Taken: UOA + MEK OTH Ground TOC TOX Phermitics
WATER COLUMN 40.9 FT.	Mitmte Ion
MATER VOLUME G. G. G. Y. A. S. G. P.M.	
PUMPING TIME REQUIRED 77 MINS.	
ACTUAL PUMPING TIME 27 MINS.	Conductivity (unhos)
40 pr science	°C (at pH Cond. Readings)
Ouplicate Taken: yes no 1.D. Assigned Field #	Samples Taken:
Conductivity (umhos) pf C (at pf Cond. Readings)	

Site Castle AFB.	Samplers WM / JRA
Site Castle AFB. Pield # Sample I.D. MW350 D	Pate 4-2-95 Time 1430
TOTAL WELL DEPTH 92 FT.	Samples Taken: VOA + MEK Oil + Grease
S.W.L. 49.28 FT.	TOC
water column 43 ft.	Metals (Cd, Cr, Pb, Ha, Ag) Phenolics Nitrate Ion Past/Herb
WATER VOLUME 28.1 G.	rest/Hera
x3= <u>84</u> G.	
FLOW RATE 5.0 G.P.M.	
PUMPING TIME REQUIRED	Conductivity
ACTUAL PUMPING TIME 22 MINS.	8.2 (unhos)
BAILED	22.7 °C (at pH Cond. Readings)
40 st screen	
Duplicate Taken: yes no I.D. Assigned	Samples Taken:
Field #	
•C (Immediate)	· ·
Conductivity (umhos)	
°C (at pH Cond. Readings)	

GROUNDWATER Site Castle AFB	WELL LOG SHRET Samplers AD /DB
Site Costle AFR Pield # Sample I.D. MW 350	Date 11 April 1785 Time 0 8 10
TOTAL WELL DEPTH 92 FT.	Samples Taken: VOA + MEK
S.W.L. 4940 FT.	
WATER COLUMN 43 FT.	
WATER VOLUME 29.4 G. $\times 3 = 9.9$ G.	
FLOW RATE 5 G.P.M.	
PUMPING TIME REQUIRED 17 MINS.	°C (Immediate)
ACTUAL PUMPING TIME 21 MINS.	Conductivity (unhos)
BAILED	°C (at pH Cond. Readings)
Duplicate Taken: yes no	Samples Taken:
I.D. Assigned	
Field #	·
*C (Immediate)	
Conductivity	
(unhos)	
	·

Site Castle AFB. Field # Sample I.D. MW 360	WELL LOG SHEET Samplers
Pield #	
Sample I.D. Mw 360	Date 4/2/87 Time 0930
~ 3	Samples Taken:
TOTAL WELL DEPTH 92 FT.	VOA + MEK
	Oil + Grease
S.W.L. 53. 39 FT.	TOC
	TOX
WATER COLUMN 39 FT.	metals (Cd, Cr, Pb, Hz, Ag)
water column 39 ft.	Phenolics Nitrate Ion
	Pest/Herb
WATER VOLUME 25.5 G.	
$x3 = 76 \qquad G.$	
FLOW RATE G.P.M.	
4.3	
PUMPING TIME REQUIRED 13 MINS.	-20 °C (Immediate)
	5/0 Conductivity
ACTUAL PUMPING TIME 26 MINS.	pH (umhos)
BAILED	
BATHED	20.5 °C (at pH Cond. Readings)
30 to screen	
Duplicate Taken: yes no	Samples Taken:
I.D. Assigned	
Field #	
*C (Immediate)	
Conductivity (umhos)	<u>.</u>
pH	
*C (at pH Cond.	
Readings)	1

site Castl	GROUNDIATI	er well log	Samplers	73/2d
Pield #		•		
Sample I.D. MW	sl <i>o</i> O	Date	4-10-85	71m <u>/500</u>
TOTAL WELL DEPTH	92	VON	Jamples Takes + MEK 	18
53.3	37 m.	POE	tohes	
NATER COLUMN 38.	63FT.		·	
MATER VOLUME 25	G. ·			
FLOW RATE	3G.P.	M.		
PUMPTING TIME REQUIRE	D_95NIM			°C (Immediate)
ACTUAL PUMPING TIME	NIDE	. -		. Conductivity (unbos) - pA
BAILED		-		°C (at pH Cond Readings)
30 ft. sereen				
	es no	Samp	les Taken:	
I.D. Assigned			•	
	°C (Immediate)			•
	Conductivity (unhos) ps		•	• .
	°C (at pH Cond. Readings)		•	•

site Castle AFB	ELL LOG SHEET Samplers
Site Castle AFB. Pield # Sample I.D. MW 370 Da	te 4/2/85 Time 1100
TOTAL WELL DEPTH 99 FT.	Samples Taken: VoA + MEK Oil + Grease
S.W.L. 57.57 FT.	TOC TOX Metals (Cd, Cr, Pb, Hz, Az)
WATER COLUMN 41 FT.	Phenolics Nitrate Ion Pest/Herb
WATER VOLUME 26.8 G. X3= 80 G.	rest/Hera
FLOW RATE 50 G.P.M.	
PUMPING TIME REQUIRED 16 MINS.	Conductivity
ACTUAL PUMPING TIMEMINS.	7,2 (umhos)
HOLX Screen	C (at pH Cond. Readings)
To Art Selection	
Duplicate Taken: yes no	Samples Taken:
I.D. Assigned	all above
Field #	
°C (Immediate)	
Conductivity (umhos) pH	
20.7 °C (at pH Cond.	

site <u>Cartle AFB</u>	ER WELL LOG SHEET Samplers DB/DJ
Sample I.D. MW 370	Date 4-10-65 Time 1345
TOTAL WELL DEPTH 99 FT.	Samples Taken: UOA + MEK Oil + Grease
S.W.L. 57.64 FT. WATER COLUMN 41.4 FT.	FOC
NATER VOLUME 27 G. X3= 8/ G. FLOW RATE 3 G.P.	
PUMPING TIME REQUIRED 27 MINS	
ACTUAL PUMPING TIME 27 MINS	°C (at pH Cond. Readings)
Duplicate Taken: yes no I.D. Assigned Field #	Samples Taken:
Conductivity (unhos) pH Conductivity (unhos) pH Conductivity (unhos) Readings)	

site Castle AFR		L LOG SHEET Samplers	Bill Morris & JRA
Field #	Date	4-2-85	
TOTAL WELL DEPTH 95 FT		Samples Tak VOA + MEK Oil + Gregse	en:
S.W.L. 62.08 FT	r.	TOC	
WATER COLUMN 33 FT	r.	Metals (Cd, Cr, P Phenolics Nitrate Ion Pest/Herb	b, Hz, Az)
WATER VOLUME 21.5 G	•	,	
x3= <u>65</u> G	•		
FLOW RATE 5.0 G	.P.M.		
PUMPING TIME REQUIRED 13 M ACTUAL PUMPING TIME 18 M BAILED		<u>458</u> 7.4	- °C (Immediate) - Conductivity (umhos) - pH - °C (at pH Cond Readings)
- 40 ft screen			
Duplicate Taken: yes no no Field #	S	Samples Taken:	
Conductivity (umhos) PH C (at pH Conductor) Readings	nd.		

Site	Cartle AFR		MELL LOG SHRET Samplers	JB/DT
-1-14 A		•	4-10-25	
	95 62.32		Samples Take UOA + MEK Oil + Grease FOC IOX	n:
WATER COLUMN	32.68	FT.		
NATER VOLUME X3=	22.3 66 3			
	REQUIRED 22			- °C (Immediate) - Conductivity (umhos) - pH - °C (at pH Cond Readings)
_	ken: yes no		Samples Taken:	
	Conductic (umhos pH	vity)		•

Site _	Castle AFR.	OUNDWATE	R WELL L	OG SHEET Samplers	WEM & JRA
Field # _ Sample I.D	Castle AFB.		Date _	4-3-85	Time 0935
TOTAL WELL DE	ртн <u>104</u>	FT.	1 -	Samples Tai	(en:
S.W.L	60.57	FT.	70	il + Grease OC OX	
WATER COLUMN_	43	FT.	P,	etals (Cd, Cr, 1 kenolics trate Ion	Pb, Hz, Az)
WATER VOLUME_ X3=_	28.1 84	G. G.	Pe	st/Herb	
FLOW RATE	50	G.P.M.			
PUMPING TIME	REQUIRED /7	MINS.			°C (Immediate
ACTUAL PUMPIN	G TIME 22	MINS.			<pre>Conductivity</pre>
BAILED	Screen			20,5	°C (at pH Cor Readings)
Duplicate Take	en: yes no		Sam	ples Taken:	
				·	
	°C (Immed	liate)			
	Conductive (umhos)				
	°C (at pi			:	

GROUNDWATER	Samplers DB/DJ
Site <u>Coatle AFR</u> Pield 8 Sample I.D. <u>MW390</u>	Date 4-10-35 Time 1010
TOTAL WELL DEPTH 104 FT. S.W.L. 61.37 FT. WATER COLUMN 42.63 FT. WATER VOLUME 28 G. X3= 84 G. FLOW RATE 3 G.P.M. PUMPING TIME REQUIRED 28 MINS.	Samples Taken: VOA + MEK OH + Grease FOX Pump was set about 35 'B65 because well info. was not arai prior to Sampling. This put the pump at the top of the screen
ACTUAL PUMPING TIME 22 MINS. BAILED	°C (at pH Cond. Readings)
Duplicate Taken: yes no I.D. Assigned Field #	Samples Taken:
Conductivity (umhos) pH Conductivity (umhos) Readings)	

site Castly AFR	R WELL LOG SHEET Samplers	84; TC
Field # Sample I.D. MW 400	Date 4-2-85	Time 1320
TOTAL WELL DEPTH /OO FT.	Samples Take VOA + MEK Oil + Grease	en :
s.w.L. <u>55.7%</u> FT.	TOC TOX Metals (Cd, Cr, Pl	b, Ha, Aa)
WATER COLUMN 44 FT.	Phenolics Nitrate Ion Pest/Herb	, ,,,
WATER VOLUME <u>19.7</u> G. x3= '86 G.	resi/Hero	
FLOW RATE 3 G.P.M.		
PUMPING TIME REQUIRED 29 MINS. ACTUAL PUMPING TIME 30 MINS. BAILED	359	4 . 4
40 ft screen		
Duplicate Taken: yes no	Samples Taken:	
Pield #		
Conductivity (umhos) pH		
*C (at pH Cond. Readings)		

Site Castle AFB GROUNDWATER Field # Sample I.D. MU-410	WELL LOG SHEET Samplers	TA\ 80
Sample I.D. MW-410	Date 4-5-85	Time /0/0
TOTAL WELL DEPTH 97 FT.	Samples Takes VoA + MEK Oil + Grease	1:
S.W.L. 50.47 FT.	TOC	
WATER COLUMN 46.5 FT.	Metals (Cd, Cr, Pb, Phenolics Nitrate Ion Pest/Herb	H3, A3)
WATER VOLUME 30 G.	1 = ST / HEF	
$x3 = \underline{\qquad \qquad 90 \qquad \qquad } G.$		
FLOW RATEG.P.M.		
PUMPING TIME REQUIRED 30 MINS.	<u>31</u> 550	°C (Immediate) Conductivity
ACTUAL PUMPING TIME MINS.	· 12.60	(umhos) . pH
BAILED	3,2	°C (at pH Cond
HU JA screen		Readings)
Duplicate Taken: yes no I.D. Assigned Field #	Samples Taken:	
°C (Immediate)		
Conductivity (umhos)		
pH °C (at pH Cond.		
Readings)		

TO COLOR TO SERVICE TO

site Castle AFB.	Samplers DJ ? DB
Field #	
Sample I.D. Mw 420 Da	ate 4-2-85 Time 1/25
TOTAL WELL DEPTH 100 FT.	Samples Taken: VoA + MEK Oil + Grease
S.W.L. 51.16 FT.	TOC
WATER COLUMN 49 FT.	Metals (Cd, Cr, Pb, Hg, Ag) Phenolics Nitrate Ion Past/Herb
water volume 32 g. x3= 96 g.	Pest/Herb
FLOW RATE 3 G.P.M.	
PUMPING TIME REQUIRED 32 MINS.	23.0 °C (Immediate) 206 Conductivity
ACTUAL PUMPING TIME 33 MINS.	7.46 (umhos)
BAILED	Ol. 6 °C (at pH Cond. Readings)
40 St screen	
Duplicate Taken: yes no	Samples Taken:
Field #	·
°C (Immediate)	
Conductivity (umhos) pH	
°C (at pH Cond. Readings)	

Site <u>Castle AFB</u>	Samplers AD/WH
Sample I.D. MW 430 D	ate 10 APRIL 85 Time 10 30
TOTAL WELL DEPTHS/FT.	Samples Taken: UOA + MEK Dil + Grease
S.W.L. 49.76 FT.	Toc Tox Phenolics
WATER COLUMN 31.24 FT.	
WATER VOLUME 20-37 G. X3= 6/1/ G.	
FLOW RATE 5.0 G.P.M.	
PUMPING TIME REQUIRED 13 MINS. ACTUAL PUMPING TIME 17 MINS. BAILED	21.0 C (Immediate) 387 Conductivity (umhos) pH 23.2 C (at pH Cond. Readings)
40 Jx screen	
Duplicate Taken: yes no I.D. Assigned	Samples Taken: NOTES L 430 - DRY
Field #	L 431 - DRY
	L 432 - DRY
°C (Immediate)	L433 - DRY
Conductivity (umhos) pH	
C (at pH Cond.	

GROUNDWATER W	ELL LOG SHEET Samplers
Field # Sample I.D. MW 440 Da	
TOTAL WELL DEPTH 99 FT.	Samples Taken: UOA + MEK Dil + Grease
s.w.L. 45.66 FT.	TOC TOX Phenolics
WATER COLUMN 53 FT.	,
WATER VOLUME 34.68 G. X3= 104 G.	
FLOW RATE 3 G.P.M.	·
PUMPING TIME REQUIRED 35 MINS. ACTUAL PUMPING TIME 37 MINS. BAILED	Conductivity (umhos) pH 23 °C (Immediate) Conductivity (umhos) pH Conductivity (umhos) pH
20 Jt screen	
Duplicate Taken: yes no	Samples Taken:
Field #	·
Conductivity (umhos) pH	

site Castle AFR	Samplers DB / 55
Sample I.D. Mw 450 D	
Sample 1.D. Trico 4.50	
TOTAL WELL DEPTH 97 PT.	Samples Taken: UON + MEK Oil + Grease
S.W.L. 46.96 FT.	70C
WATER COLUMN 50 FT.	Phenolics Nitrate Ion
MATER VOLUME 32.6 G	
PLON RATE ~3.0 G.P.M.	
PUMPING TIME REQUIRED 33 MINS. ACTUAL PUMPING TIME 35 MINS. BAILED	20.6 °C (Immediate) 148 Conductivity (umhos) pH 20.6 °C (at pH Cond. Readings)
40. It screen	
Duplicate Taken: yes no I.D. Assigned	Samples Taken:

site Castle AFB GROUNDWATER W	ELL LOG SHEET Samplers <u>/</u> /	UCM & JRA
Field #	_	
Sample I.D. Mu 760 Da	ate <u>4-3-85</u>	Time 1/00
TOTAL WELL DEPTH 100 FT.	Samples Taker VoA + MEK Oil + Grease	a:
s.w.L. 47.02 FT.	70C	
WATER COLUMN 53 FT.	Metals (Cd, Cr, Pb, Phenolics Nitrate Ion Pest/Herb	H5, H5)
WATER VOLUME 34.6 G.	PESI/HETO	
x3= 104 G.		
FLOW RATE 50 G.P.M.		
PUMPING TIME REQUIRED 21 MINS.	1	- °C (Immediate)
ACTUAL PUMPING TIME 23 MINS.	7.9	/h.a.l
BAILED	21.3	°C (at pH Cond Readings)
40 St Screen		
Duplicate Taken: yes no I.D. Assigned	Samples Taken:	·
Field #	·	
C (at pH Cond. Readings)		•

Colored Resistance Barbarana Colored

Site Castle AFR	WELL LOG SHEET Samplers AD / WM
Site Castle AFB Pield # Sample I.D. Mw 460	Date 11 April 1985 Time 1040
TOTAL WELL DEPTH /00 FT.	Samples Taken: UOA + MEK
S.W.L. 47.37 FT.	INC.
water column 53 ft.	
WATER VOLUME 36. 2 G. X3= 109 G. FLOW RATE 5 G.P.M.	
PUMPING TIME REQUIRED 22 MINS. ACTUAL PUMPING TIME 23 MINS.	Conductivity (unhos)
BAILED	
Duplicate Taken: yes no I.D. Assigned Field #	Samples Taken:
Conductivity (umhos) pH Conductivity (umhos) PH Readings)	

site Castle AFB.	UNDWATER	WELL LOG SHEET Samplers	Went JRA
Field # Sample I.D. MW 470	•	. —	
TOTAL WELL DEPTH 100	_ft.	Samples Taker VoA + MEK Oil + Grease	1:
s.w.L. 45.47	ft.	TOC TOX Metals (Cd, Cr, Pb,	4 A)
WATER COLUMN 54	FT.	Phenolics Nitrate Ion	יפייכי)
WATER VOLUME 35 3 X3= 106 FLOW RATE 50	G.	Pest/Herb	
PUMPING TIME REQUIRED 22			°C (Immediate) Conductivity
ACTUAL PUMPING TIME 24 BAILED	MINS.	<u> </u>	(umhos) - pH *C (at pH Cond. Readings)
40 ft screen			
Duplicate Taken: yes no I.D. Assigned		Samples Taken:	
Field #			
Conductiv (umhos) pH	ity Cond.		

site Co	SHO AFR	R WELL LOG SHEET Samplers	D8/DT
Field #	HW 470	Date 4-11-85	Time 1525
OTAL WELL DEPTH_	100 m.	Samples Tak	en:
s.w.L. 45	68 FT.	The state of	•
ATER COLUMN	<u>A</u>	Ail To	
ATER VOLUME	35 G. ·		
	<u>35</u> G.P.1	ı.	
PUMPING TIME REQU	ired 35 mins.		- °C (Immediate) - Conductivity
ALLED	ME <u>36</u> MINS.		(umbos) — pE *C (at pR Cond
40	hr sum		Readings)
uplicate Taken: .D. Assigned		Samples Taken:	
7474 A		·	
	- °C (Immediate) - Conductivity (unhos) - pH		
	_ °C (at pH Cond. Readings)	· .	•

Site $\frac{\text{GROUNDWATER WE}}{\text{Castle} + FR}$ Field # Sample I.D. $\frac{FR-I}{}$ Date	Samplers DB/DJ
Field #	
Sample I.D. $FR-1$ Da	te \$4.4-85 Time //30
Jenp10 1.2	
	Samples Taken:
TOTAL WELL DEPTH FT.	ERX 601
	EPA 602
S.W.L. FT.	OU + Grease
5.W.L.	TOC
	To X
WATER COLUMNFT.	221/0000
	m tol
	111212
WATER VOLUMEG.	Nitrate
X3=G.	Metals Nitrate Pest/Herb
	•
FLOW RATEG.P.M.	
	•
	°C (Immediate)
PUMPING TIME REQUIRED MINS.	
	Conductivity
	9.75 (umhos)
ACTUAL PUMPING TIME MINS.	
RATIFO	
BAILED	"Keadings"
Bailed Distr collected other samples from sump discharge line after proge with demineralized water.	
from sump discharge line after proge with	
demineralized water.	
Duplicate Taken: yes no	Samples Taken:
I.D. Assigned	. •
Field #	
1 1010 T	
	}
°C (Immediate)	
Conductivity (umhos)	·
°C (at pH Cond.	

site <u>Castle AFR</u>	Samplers police althous
Site <u>(astle AFR</u> Field # Sample I.D. <u>FB-2</u>	Date 4/3/65 Time 0850
COTAL WELL DEPTHFT.	Samples Taken: EPA 601 } (VOA inc. MEK) EPA 602
3.W.LFT.	TOC
WATER COLUMNFT.	Phenolics Metals
WATER VOLUMEG.	Metals Nitrate Post/Herb
FLOW RATEG.P.M.	
PUMPING TIME REQUIRED MINS.	Conductivity (umhos)
ACTUAL PUMPING TIME MINS. BAILED	9.9 pH 19.5 °C (at pH Cond. Readings)
Bailed OGG, collected other samples from pump chis days line cufter punge with dominantized water	
uplicate Taken: yes no	Samples Taken:
.D. Assigned	
'ield #	
°C (Immediate)	
Conductivity (umhos)	
•C (at pH Cond.	

GROUNDWATE	R WELL LOG SHEET
Field #	
Sample I.D. FB-2	Date // April 1985 Time 0945
TOTAL WELL DEPTHFT.	Samples Taken: UOA + MEK
S.W.LFT.	det de la constant de
WATER COLUMN FT.	
WATER VOLUMEG.	
FLOW RATE 5 G.P.M.	•
PUMPING TIME REQUIRED MINS.	Conductivity (unhos)
BAILED PUMPING TIME 20 MINS. (purge Hare)	PE Cond. Readings)
Duplicate Taken: yes	Samples Taken:
I.D. Assigned	·
*C (Immediate)	
Conductivity (umhos)	

SOUTH RESPECTIVE INSTRUMENTS IN THE

Field #	stle AFB	Samplers AD
Sample I.D. S.G. Water Level Dry 316 86 26.7		Samples Taken: EPA 601 EPA 602 + MEK CIL + Grease TOC TOX Metals Phenolecs Nitrates Pest/Herb
Duplicate Taken: I.D. Assigned Field #		Samples Taken:

· · · · · · · · · · · · · · · · · · ·
Date 4-8-65 Time 1300
EPA 601 EPA 602 + MEK Oil + Grase Toc Tox Metals Phenuls Nitrates Pest/Hub
Samples Taken:

Site(a	surface	E WATER LOG SHEET Samplers	AD
Sample I.D. SG	-3	Date 4.8-35	Time
422 10.05 23.7	°C (Immediate) Conductivity (umhos) pH °C (at pH Cond. Readings)	Samples Taken: EPA 601 EPA 602 + Cil + Gre TOC TOX Metals Phenols Nitroles Pist/Hub	MEK
Duplicate Taken: I.D. Assigned Field #		Samples Taken:	

Conductivity (umhos)

PH

Site Castle AFR Field # Sample I.D. SG-4	Samplers Dime 1550
oc (Immediate) 105 Conductivity (umhos) pH 27.1 °C (at pH Cond. Readings)	Samples Taken: EPA 601 EPA 602 + MELL Oil + Grease TOC TOX Metals Phends Nitrate Pest/Heshs
Duplicate Taken: yes no I.D. Assigned Field \$	Samples Taken:

Conductivity (umhos)

pН

SURFACE	WATER	LOG	SHEET
	777.22		JOESI

Water Level 8.25 Samples Taken: EPA 601 EPA 602 + MRK	Site		Samplers 38/DJ Date 43.55 Time 1830
I.D. Assigned Samples Taken: Field # All above	143	°C (Immediate) Conductivity (umhos) pH °C (at pH Cond.	EPA 601 EPA 602 +MEK Cil + Grease TOC TOX Metals Phenols (take 2 butles for Weston Nitrate
Conductivity (umhos) 8.39 PH	I.D. Assigned	°C Conductivity	(

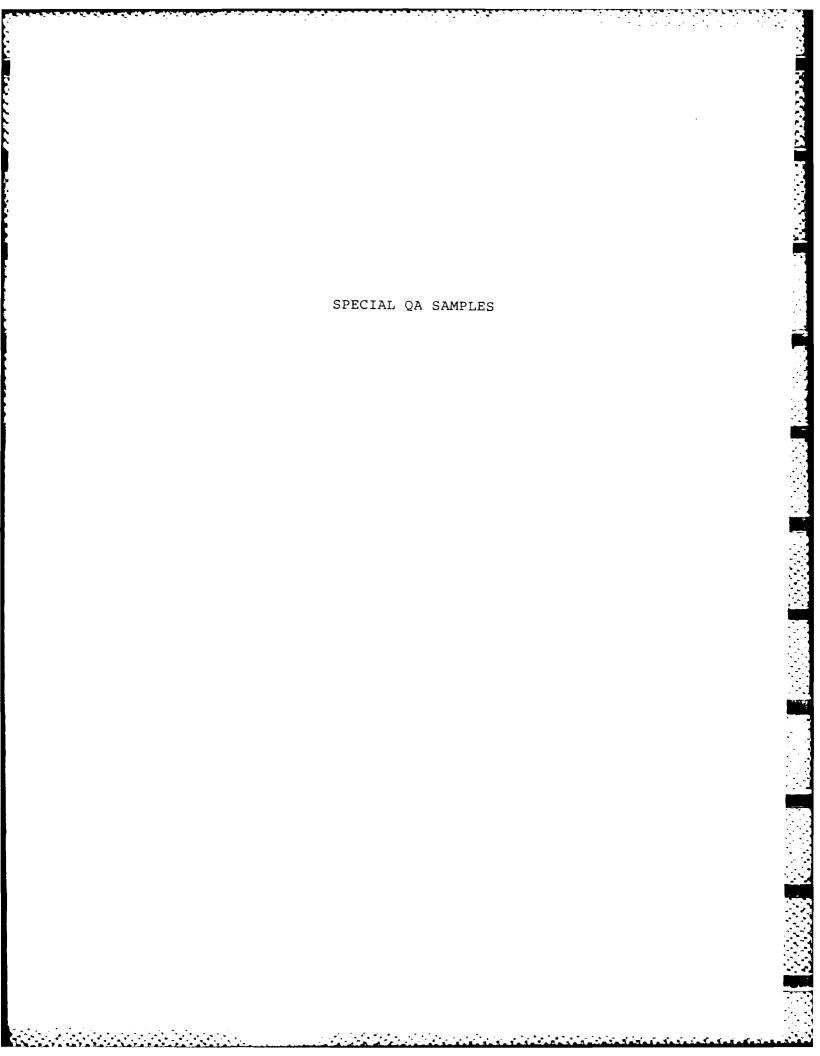
Site Castle AFR Field # Sample I.D. 56-6	Samplers <u>130412 /AD</u> Date <u>4-8-36</u> Time <u>1525</u>
water Level 0.48 Conductivity (umhos) pH 23.0 °C (at pH Cond. Readings)	Samples Taken: EPA 601 EPA 602 + MELC Oil + Grease TOC TOX Metals Phenols (take 2 bottles dor Wester Attack Pist/Herb
Duplicate Taken: yes no I.D. Assigned Field Conductivity (umhos) PH	Samples Taken:

SURFA	CE WAT	ER LO	G SHEET
-------	--------	-------	---------

		CE WATER LOG SHEET
Field # Sample I.D	Cartle AFR	Date Addition Time 1.45
Water Level	7 70	Samples Taken: EPA 601 EPA 602+MEK Oil + Grecie
293 4 9.0 26.1	conductivity	TOX
Duplicate Tak I.D. Assigned Field #	56.7A	Samples Taken: EPA 601 EPA 601 EPA 600 TOX

Site _	Castle AFB	Samplers
Field # Sample I.D		Date 4.8-85 Time 11015
Water Level	Conductivity (umhos) pH	Samples Taken: EPA 601 EPA 602+MEK ON + Grease TOC TOX
	en: yes no Conductivity (umhos)	Samples Taken:

Site Field # Sample I.D.	Cistle AFB SG-9	Samplers <u>At Db/AD</u> Date <u>4-8-85</u> Time /630
Water Level	3.50	Samples Taken: EPA 60)
310 8.87 27.5	Conductivity (umhos) pH C (at pH Cond. Readings)	EPA 602+MEK OIL + Greck TOX
	: yes no	Samples Taken:
	Conductivity (umhos) pH	



Site <u>Castle AFB</u>	Samplers DB/AT
Field #	te 4.5-85 Time 0850
TOTAL WELL DEPTH 92 FT. S.W.L. 35.18 FT. WATER COLUMN 57 FT.	Samples Taken: VOA + MEK Dil + Grease TOC TOX Phenolics
WATER VOLUME 37 G. X3= /// G. FLOW RATE 3 G.P.M.	815
PUMPING TIME REQUIRED 37 MINS. ACTUAL PUMPING TIME 37 MINS. BAILED	°C (Immediate) 10 Conductivity (umhos) pH 21.5 °C (at pH Cond. Readings)
40 ft screen	·
I.D. Assigned W-1, W-2, W-3 Field #	Samples Taken: 3 × VOA + MEK (Eft 601 + 602)
Conductivity (umhos) PH Conductivity (umhos) PH Readings)	Note: Came back at 1230 and took 3 duplicate. VOA samples Using: 3 different sampling techniques (see field book)

Site CastleAFB Field # Sample I.D. SG-11	Samplers <u>MLM</u> Date <u>4-8-85</u> Time <u>/6/5</u>
Conductivity (umhos) pH Co (at pH Cond. Readings)	Sample taken Som Canonic Lab "Organipure" water purifying system.
Duplicate Taken: yes no I.D. Assigned Field #	Samples Taken:
Conductivity (umhos)	

WITTEN

WELL I.D. France Decora, Test DATE!	21-45-1115 TIME 75-5
OPERATING	STATIC
WATER LEVEL FT.	TOTAL WELL DEPTHFT.
PUMPING RATE G.P.M.	S.W.LFT.
TOTAL GALLONS PUMPEDG.	WATER COLUMNFT.
5 gallins of lab Standard scoops was carculated through the sampling line and pump for 10 mins (50 gals) The pump	WATER VOLUME G. $X3 = G.$ FLOW RATE S G.P.M.
and placed in a 55 gml warreld of Hy C. The was proper I form	PUMPING TIME REQUIRED MINS.
Samples were temments. Somples were taken at 3 mins Emme and 10 mins to 10 mins	ACTUAL PUMPING TIME 20 MINS.
CONDUCTIVITY (µmhos) pH NOTES: X = NOT APPLICABLE	
SAMPLER /	

APPENDIX I

SAMPLE CHAIN-OF-CUSTODY RECORDS

The section